

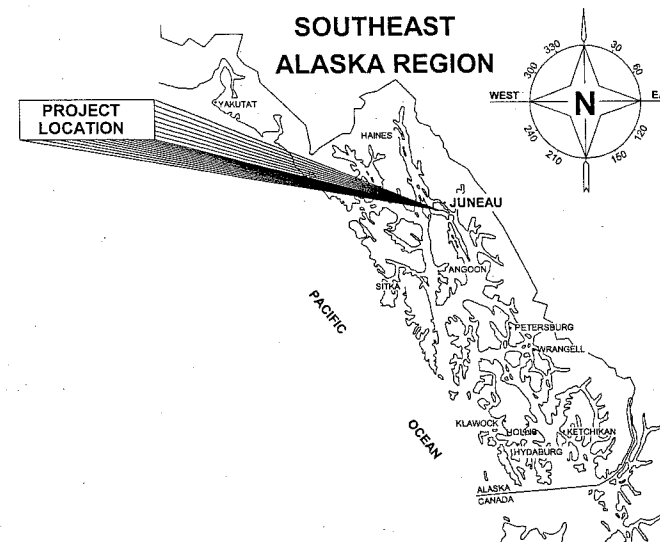
As-Built

State of Alaska

Department of Transportation
and Public Facilities
Southeast Region

JUNEAU, ALASKA EGAN\YANDUKIN INTERSECTION SAFETY ENHANCEMENTS

PROJECT No. HHE-0932(48)~69402



"AS-Built" Plans
Contractor: Secon
Project Engineer: Don Newell
Begin Construction: 6/11/12
End Construction: 7/29/12

DESIGN DESIGNATION

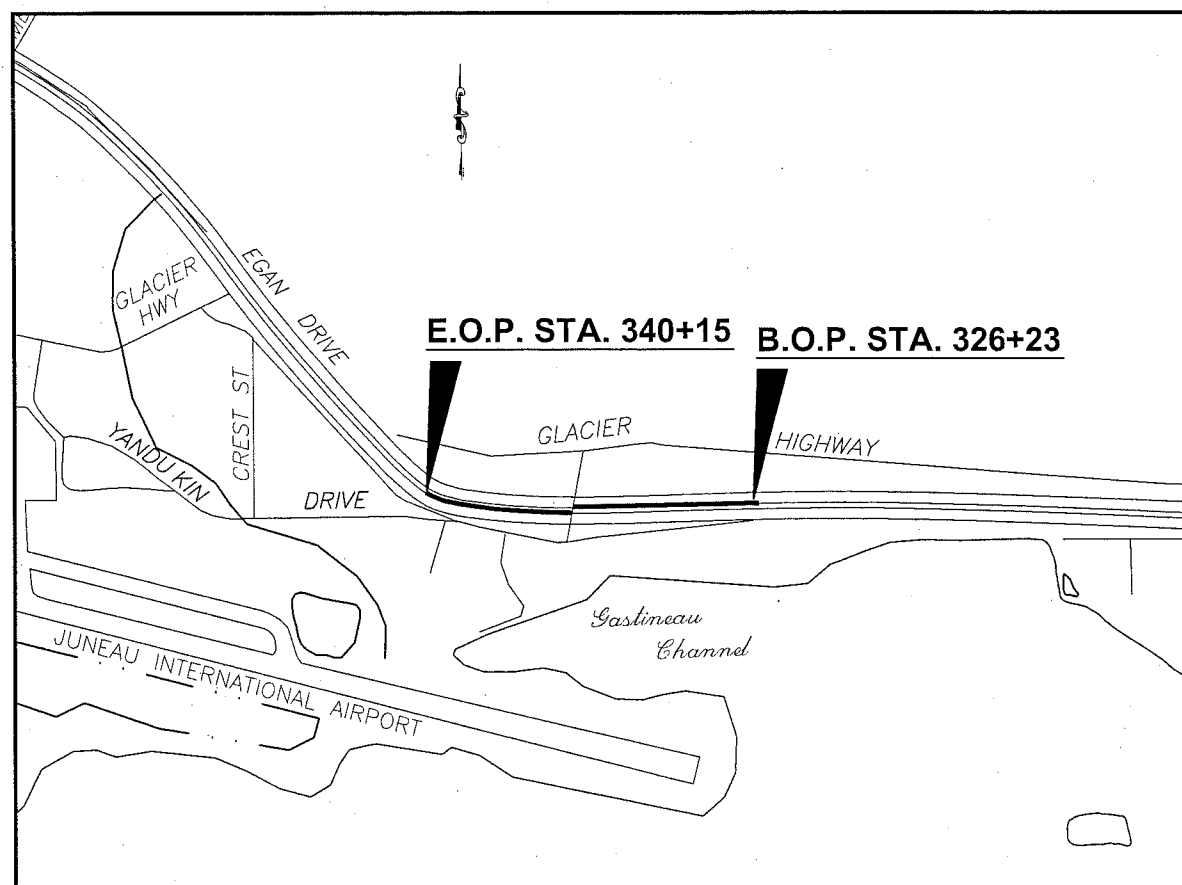
A.D.T. 2009	=	13,090
A.D.T. 2033	=	14,750
D.H.V. (12%) 2013	=	1,600
D.H.V. (12%) 2033	=	1,770
% T	=	11.5%
V	=	55 MPH
E.A.L.	=	3,050,000

PROJECT SUMMARY

CDS ROUTE NO.	=	296000
CDS MILEPOINT	=	7.2 TO 7.5
LENGTH OF PROJECT	=	1,392 FT
LENGTH OF TEMPORARY CONNECTIONS	=	0 FT
LENGTH OF PAVING	=	1,240 FT
WIDTH OF PAVING	=	±26.5 FT

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

A-1	D-22.01	T-22.03
C-04.12	D-24.00	
D-01.02	D-26.02	
D-04.21	S-30.03	



VICINITY MAP

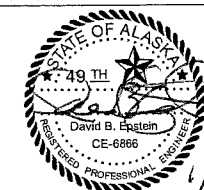
INDEX

SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	SURVEY CONTROL
B1-B2	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES
F1-F3	PLAN SHEETS
J1-J3	MISCELLANEOUS DETAILS
S1-S2	TRAFFIC CONTROL
S3	STRIPING LAYOUT
S4	STRIPING DETAILS
T1-T3	ESCP
T4	ESCP DETAILS

PATH: Q:\JUNU\69402\PLANSET\A1\TITLESHEET.DWG TAB: LAYOUT1

PLOT: PSPACE OR MSPACE: 1=1(F)

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION



APPROVED: *Chuck Correa* 2/6/12
REGIONAL PRE-CONSTRUCTION ENGINEER
CHUCK CORREA, P.E. DATE

APPROVED: *Albert H. Clough* 3.14.2014
DIRECTOR, SOUTHEAST REGION
ALBERT H. CLOUGH, CPG DATE

CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD
CONDITION: *Matthew H. Hume* 10/29/13
CONSTRUCTION PROJECT MANAGER DATE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	HHE-0932(48)/69402	2012	A1	19

HORIZONTAL CONTROL

Horizontal Control for this project is based on the DOT/PF 2000 Juneau Grid

The DOT/PF Juneau Grid-2000 System is a local ground coordinate system based at USC&GS first order control station EDDIE. It relates to AKSPC zone 1 NAD83 through the following parameters:

Zone = NAD83 AKSPC ZONE 1

Grid Scale = 0.999928875

Convergence = -0°45'27.26"

Translation about USC&GS point EDDIE as follows:

AKSPC Northing = 2383469.17310 FT US

AKSPC Easting = 2512570.06318 FT US

Local Northing = 500000.0000 FT US

Local Easting = 500000.0000 FT US

Project Specific Horizontal Control

115: 3.25" aluminum digger monument set atop a mound of earth & rock approximately 300' east of Maplesden Way and adjacent to a gated access point to the dredge pond in the vicinity.

JNU-Grid N 500513.2163 FT US, E 501845.8395 FT US

AKSPC N 2383957.9046 FT US, E 2514422.3952 FT US

116: 2.5" aluminum cap on drive rod set adjacent to the "T" intersection of Old Dairy Road and Yandukin Drive.

JNU-Grid N 500797.4008 FT US, E 500648.1255 FT US

AKSPC N 2384257.8787 FT US, E 2513228.6282 FT US

VERTICAL CONTROL

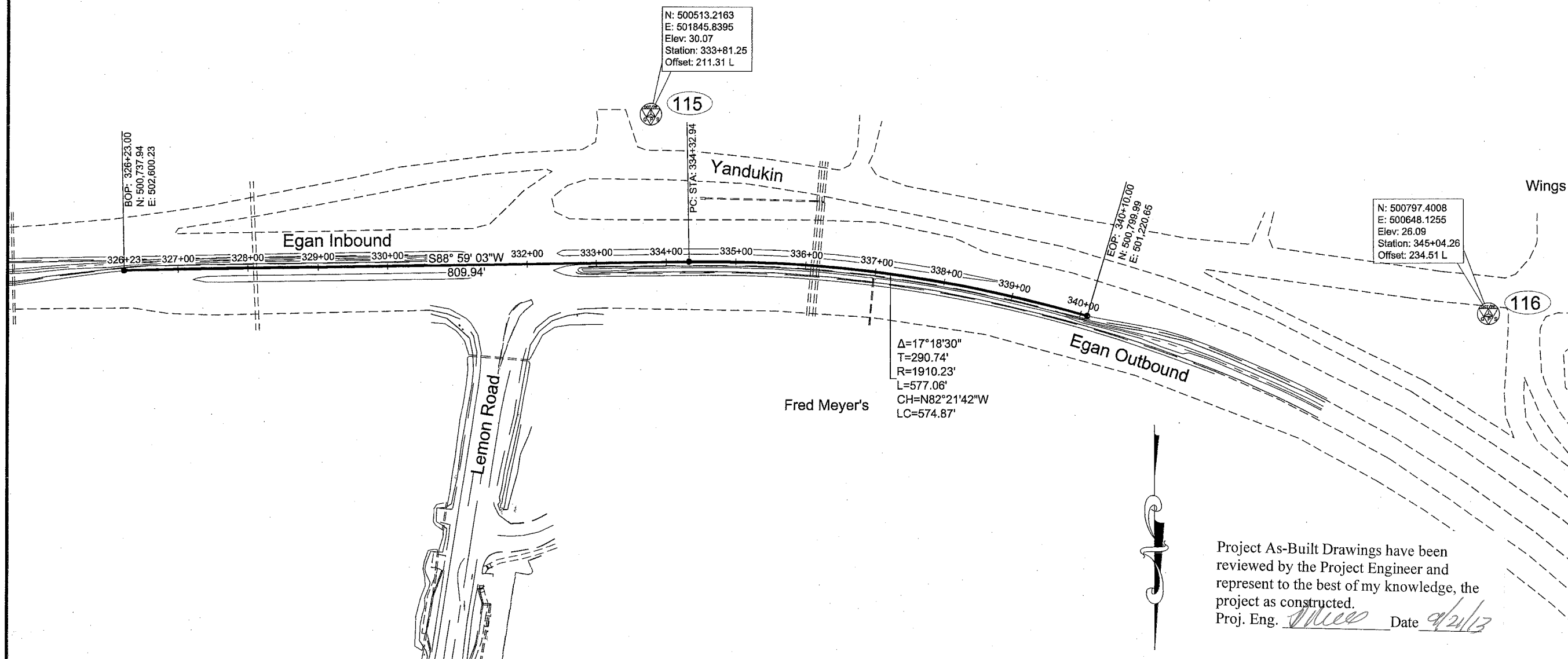
The Vertical Datum for JNU Grid-2000 is MLLW Gastineau Channel tidal datum based on third order differential levels and supplemented with GEOID '99 modeled orthometric heights. The tidal epoch is 1960-1978, but this epoch has been updated with a 5 year observation period from Jan '94 to Dec '98 published Nov '99. The latest NOS publication (10-2011) on the 1983-2001 tidal epoch indicates the datum has risen 0.32'.

The Project Specific Basis of Vertical Control is point #115, with an observed elevation of 30.07 feet above MLLW.

MONUMENT NOTES:

1. If any pair of control points disagrees from published value by more than 1:10,000 horizontally or vertically then a third network point must be tied to ascertain which point is in error or has been disturbed.

2. Whether listed or not, all monuments, property markers, or accessories that will be disturbed or buried shall be referenced prior to being disturbed, and re-established in their original position and a record of monument form in accordance with A.S.34.65.040 shall be submitted to the construction engineer for review prior to recording. Coordinate values listed are for informational purposes and should be used to reset monuments only as a last resort.



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date *9/24/13*

PATH: Q:\JNU\69402\SV\CD\SOURCE
DWG\BASEMAP\A2_SURVEY-CONTROL_YANDUKIN

REED, TIM (DOT)

TAB: A2 Tuesday, December 27, 2011 3:06:55 PM

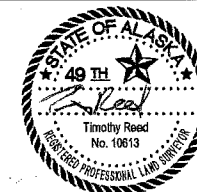
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

CHECKED BY: R. DAVIS



DESIGNED BY: T. REED

DRAWN BY: T. REED

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

EGAN/YANDUKIN
INTERSECTION SAFETY
ENHANCEMENTS
PROJECT #69402

SURVEY CONTROL

PROJECT DESIGNATION

HHE-0932(48)/69402

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
A2	19

TYPICAL SECTION NOTES

1.

THE AVERAGE THICKNESS OF EXISTING PAVEMENT IS 7.5" ON THE SHOULDERS AND 9" ELSEWHERE.
2.

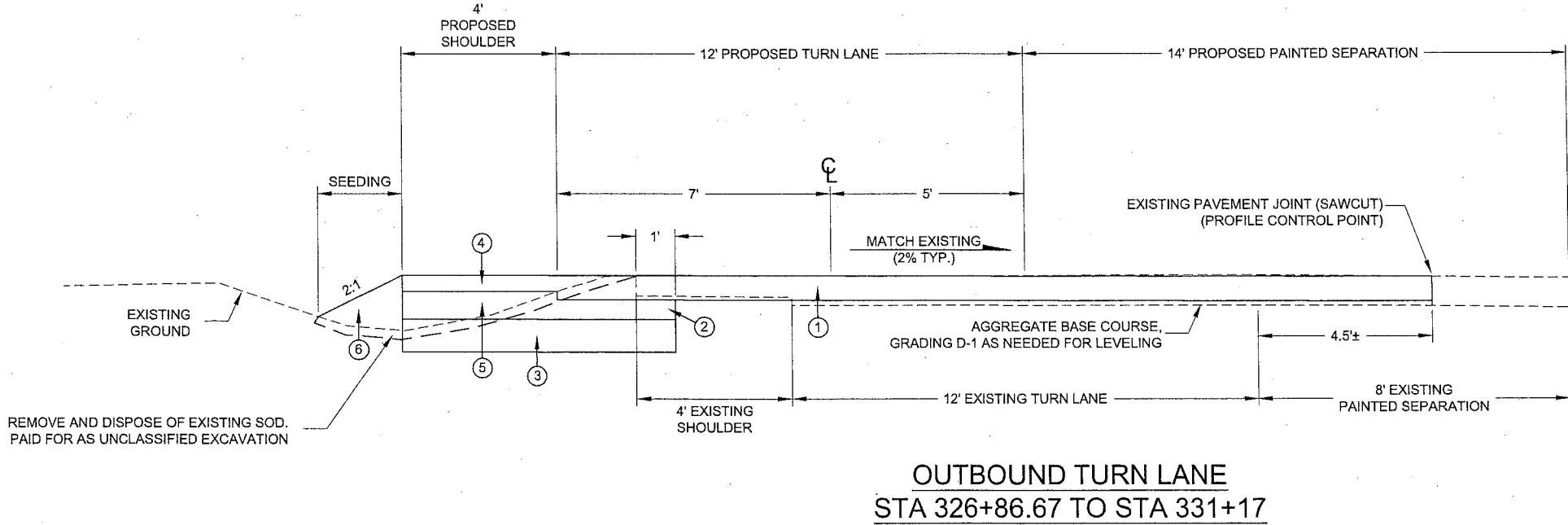
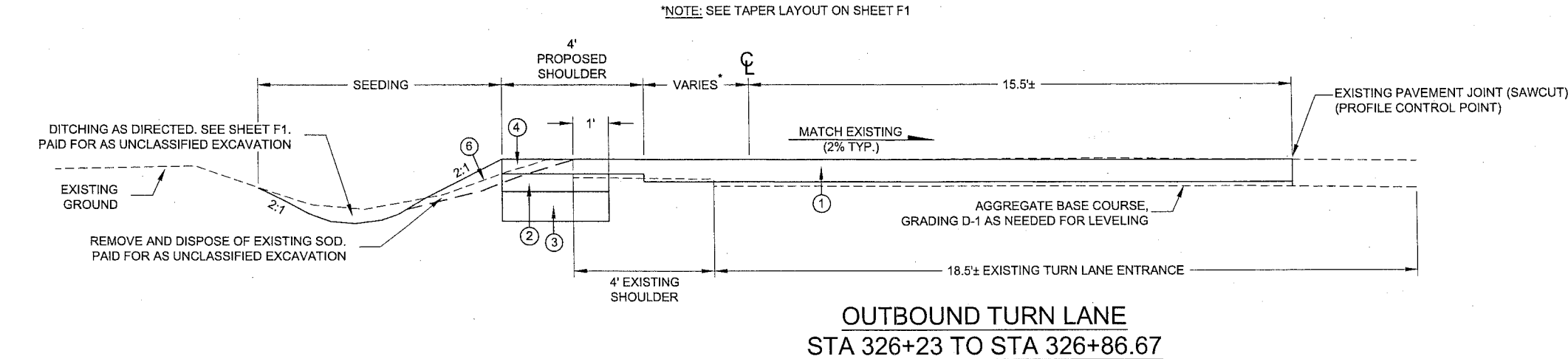
SAWCUT ALONG THE EXISTING PAVEMENT JOINT IN THE PAINTED MEDIAN PRIOR TO REMOVING PAVEMENT. PROTECT THIS EDGE FROM DAMAGE. IF THE EDGE IS DAMAGED MAKE A SECOND SAWCUT TO REMOVE THE DAMAGED PORTION IMMEDIATELY PRIOR TO PAVING THE TOP LIFT.
3.

ALL SOIL CONSTRUCTION SLOPES SHALL BE SEEDED AND COVERED WITH BONDED FIBER MATRIX (BFM).
4.

MAINTAIN POSITIVE DRAINAGE AWAY FROM THE ROAD.
5.

NO JOINTS WILL BE PERMITTED IN THE TOP LAYER OF ASPHALT.

PATH:Q:\UNU\69402\PLANSET\B-TYPICAL SECTIONS.DWG		
WEAVER, JON M (DOT)		
TAB: B1		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



MATERIAL LEGEND

- ① 7 1/2" ASPHALT CONCRETE, SP, TYPE B - PAVED IN 3 LIFTS OF 2 1/2" DEPTH WITH STE-1 ASPHALT FOR TACK COAT BETWEEN EACH LIFT
- ② 6" AGGREGATE BASE COURSE, GRADING D-1
- ③ 10" SUBBASE GRADING B
- ④ 5" ASPHALT CONCRETE, SP, TYPE B - PAVED IN 2 LIFTS OF 2 1/2" DEPTH WITH STE-1 ASPHALT FOR TACK COAT BETWEEN LIFTS.
- ⑤ 8 1/2" AGGREGATE BASE COURSE, GRADING D-1
- ⑥ SELECTED MATERIAL, TYPE B

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date *9/21/12*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. EPSTEIN

1/17/12

DESIGNED BY: J. WEAVER

DRAWN BY: J. WEAVER

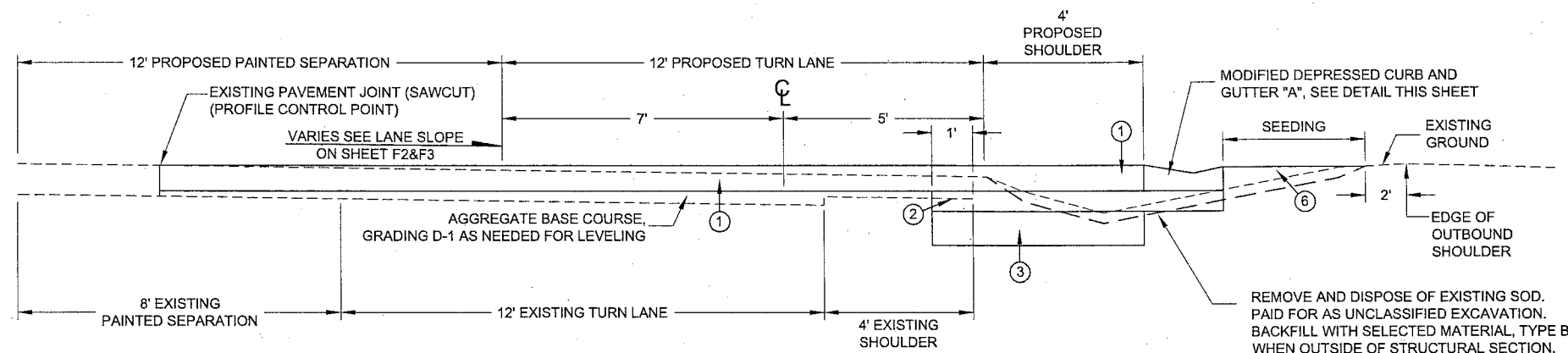
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

EGAN/YANDUKIN
INTERSECTION SAFETY
ENHANCEMENTS
PROJECT #69402

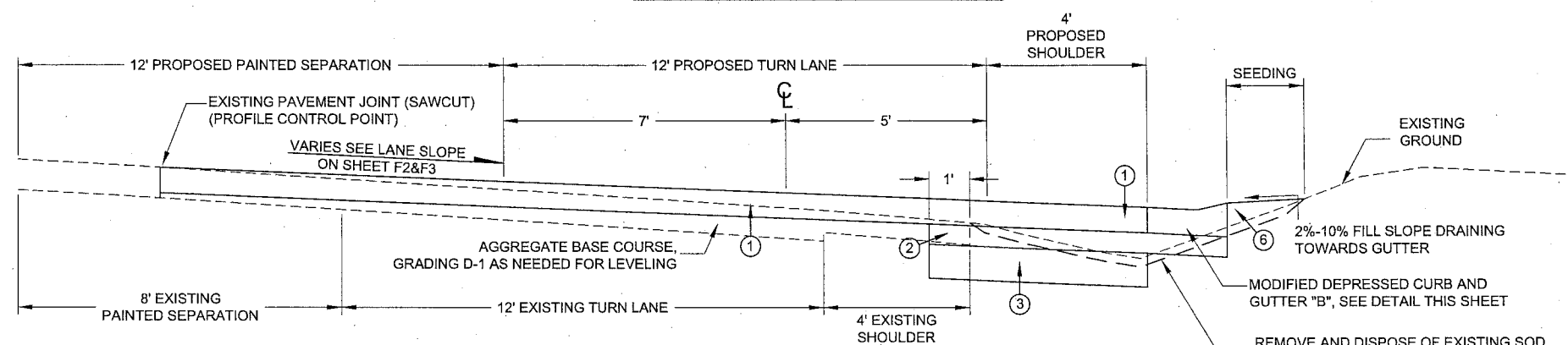
TYPICAL
SECTIONS

PROJECT DESIGNATION
HHE-0932(48)/69402

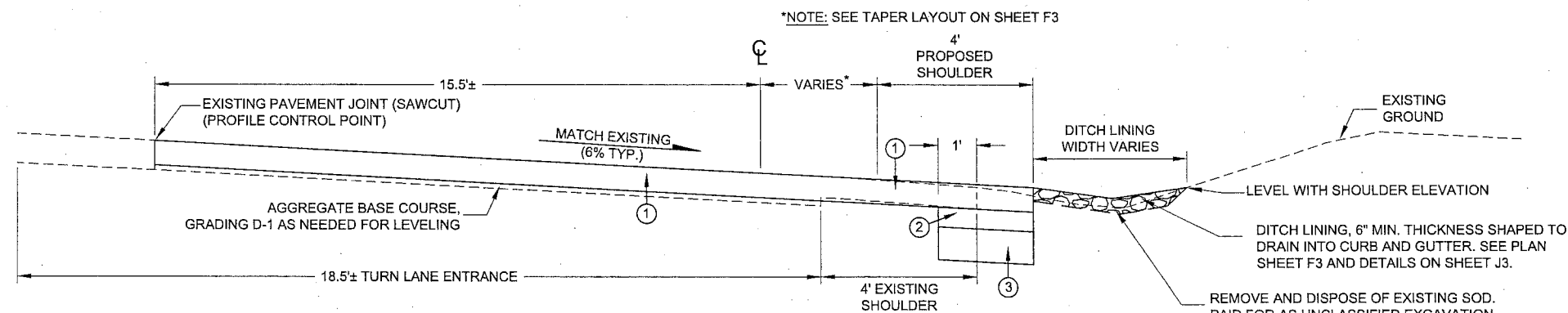
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
B1	19



**INBOUND TURN LANE
STA 332+69 TO STA 333+60**



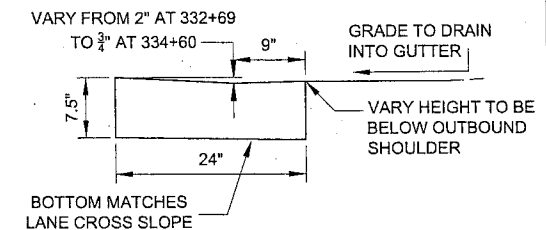
**INBOUND TURN LANE
STA 333+60 TO STA 339+65**



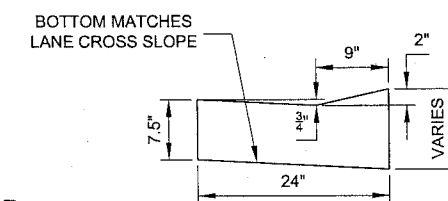
**INBOUND TURN LANE
STA 339+65 TO STA 340+15**

MATERIAL LEGEND

- ① 7 1/2" ASPHALT CONCRETE, SP, TYPE B - PAVED IN 3 LIFTS OF 2 1/2" DEPTH WITH STE-1 ASPHALT FOR TACK COAT BETWEEN EACH LIFT
- ② 6" AGGREGATE BASE COURSE, GRADING D-1
- ③ 10" SUBBASE GRADING B
- ④ 5" ASPHALT CONCRETE, SP, TYPE B - PAVED IN 2 LIFTS OF 2 1/2" DEPTH WITH STE-1 ASPHALT FOR TACK COAT BETWEEN LIFTS.
- ⑤ 8 1/2" AGGREGATE BASE COURSE, GRADING D-1
- ⑥ SELECTED MATERIAL, TYPE B



**MODIFIED DEPRESSED
CURB & GUTTER "A"**



**MODIFIED DEPRESSED
CURB & GUTTER "B"**

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date *9/21/13*

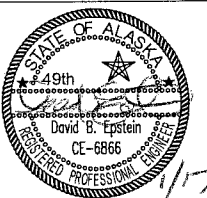
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: Q:\UNUI69402\PLANSET\B-TYPICAL SECTIONS.DWG

WEAVER, JON M (DOT)
TAB: B2

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

CHECKED BY: D. EPSTEIN



DESIGNED BY: J. WEAVER

DRAWN BY: J. WEAVER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

EGAN/YANDUKIN
INTERSECTION SAFETY
ENHANCEMENTS
PROJECT #69402

**TYPICAL
SECTIONS**

PROJECT DESIGNATION
HHE-0932(48)/69402

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
B2	19

ESTIMATE OF QUANTITIES			
ITEM NO.	DESCRIPTION	PAY UNIT	QUANTITY
202 (1)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	ALL REQUIRED
202 (2)	REMOVAL OF PAVEMENT	SQUARE YARD	3,075
203 (3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	385
301 (1)	AGGREGATE BASE COURSE, GRADING D-1	TON	780
304 (1)	SUBBASE, GRADING B	TON	420
401 (1)	ASPHALT CONCRETE, SP, TYPE B	TON	1,520
401 (2)	ASPHALT CEMENT, GRADE PG 64-28	TON	91
401 (3)	ASPHALT PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
402 (1)	STE-1 ASPHALT FOR TACK COAT	TON	3
603 (22-18)	SLOTTED DRAIN, 18 INCH DIAMETER	LINEAR FOOT	40
604 (5)	INLET, TYPE A	EACH	1
609 (2)	CURB AND GUTTER, TYPE I	LINEAR FOOT	690
610 (1)	DITCH LINING	CUBIC YARD	5
615 (5)	DELINEATOR, FLEXIBLE	EACH	6
618 (2)	SEEDING	POUND	8
619 (3)	BONDED FIBER MATERIX (BFM)	POUND	275
638 (1)	FIBER ROLL	LINEAR FOOT	80
640 (1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED
641 (1)	EROSION, SEDIMENT, AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED
641 (3)	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL	LUMP SUM	ALL REQUIRED
641 (4)	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL ADDITIVES	CONTINGENT SUM	ALL REQUIRED
641 (6)	WITHHOLDING	CONTINGENT SUM	ALL REQUIRED
642 (1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED
643 (2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED
643 (3)	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQUIRED
643 (11)	SPECIAL CONSTRUCTION SIGNS	SQUARE FOOT	97.5
643 (15)	FLAGGING	CONTINGENT SUM	ALL REQUIRED
643 (23)	TRAFFIC PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
643 (25)	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQUIRED
670 (1)	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQUIRED
670 (10)	METHYL METHACRYLATE PAVEMENT MARKINGS	LUMP SUM	ALL REQUIRED
670 (14)	REMOVAL OF EXISTING PAVEMENT MARKINGS	LUMP SUM	ALL REQUIRED
690 (2)	INLET PROTECTION	EACH	3
401(9)	Asphalt Cement Price Adjust (Co#1)	L.S.	All Repd

BASIS OF ESTIMATE		
ITEM NO.	ITEM DESCRIPTION	ESTIMATING FACTOR
301 (1)	AGGREGATE BASE COURSE, GRADING D-1	1.95 TON/CY
304 (1)	SUBBASE, GRADING B	1.95 TON/CY
401 (1)	ASPHALT CONCRETE, SP, TYPE B	120 LB PER SY PER INCH DEPTH
401 (2)	ASPHALT CEMENT, GRADE PG 64-28	6% OF ITEM 401 (1)
402 (1)	STE-1 ASPHALT FOR TACK COAT	0.1 GAL/SY PER APPLICATION, 243 GAL/TON
619 (3)	BONDED FIBER MATRIX (BFM)	3,000 LB/ACRE
670 (1)	PAINTED TRAFFIC MARKINGS	2,236 SF OF CHEVRON
670 (10)	METHYL METHACRYLATE PAVEMENT MARKINGS	3,390 LF OF 8" STRIPE 4 LEFT ARROWS
670 (14)	REMOVAL OF EXISTING PAVEMENT MARKINGS	1,165 LF OF STRIPE, 540 SF OF CHEVRON

PATH:Q:\JUN\69402\PLANSET\IC-ESTIMATE.DWG

WEAVER, JON M (DOT)
TAB: C1

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
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CHECKED BY: D. EPSTEIN

DESIGNED BY: J. WEAVER

DRAWN BY: J. WEAVER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

EGAN/YANDUKIN
INTERSECTION SAFETY
ENHANCEMENTS
PROJECT #69402

ESTIMATE OF QUANTITIES

PROJECT DESIGNATION

HHE-0932(48)/69402

STATE	YEAR
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ALASKA	2012
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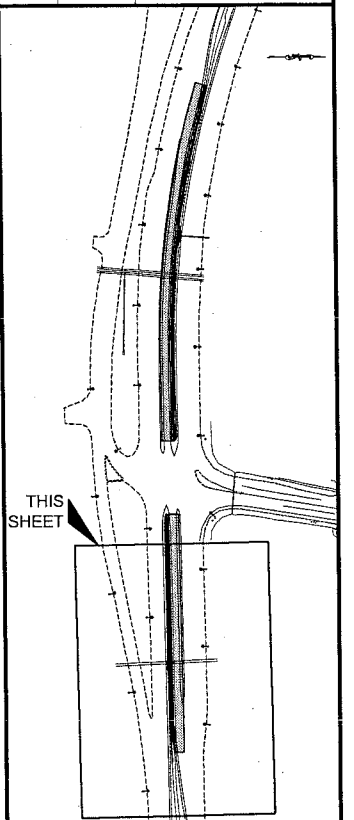
SHEET NUMBER	TOTAL SHEETS
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C1	19
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Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date *9/24/13*

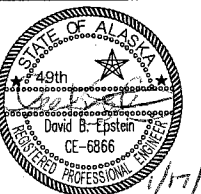
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: D. EPSTEIN



DESIGNED BY: J. WEAVER

DRAWN BY: J. WEAVER

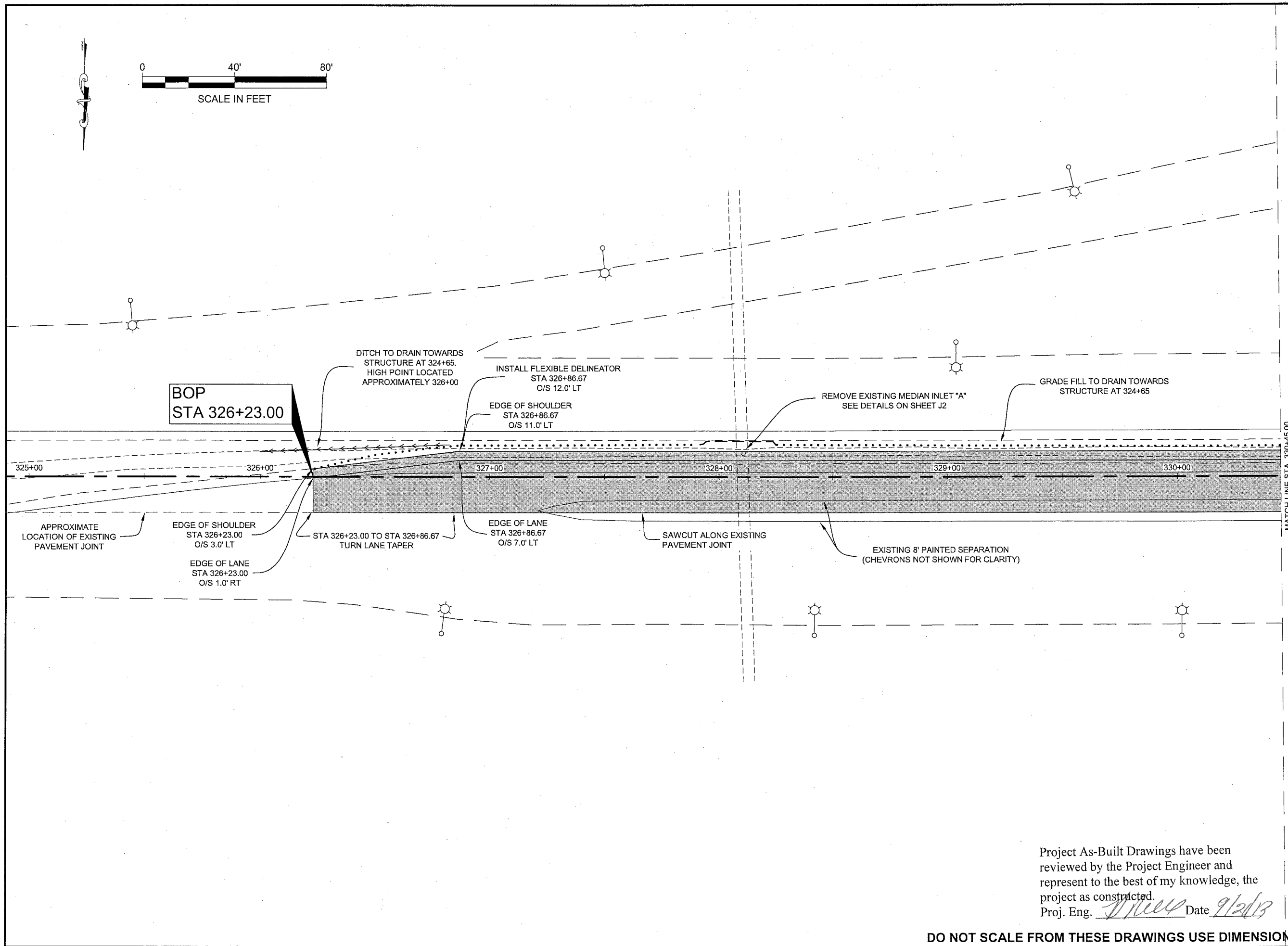
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

EGAN/YANDUKIN
INTERSECTION SAFETY
ENHANCEMENTS
PROJECT #69402

PLAN SHEETS

PROJECT DESIGNATION
HHE-0932(48)/69402

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F1	19



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date *9/2/13*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

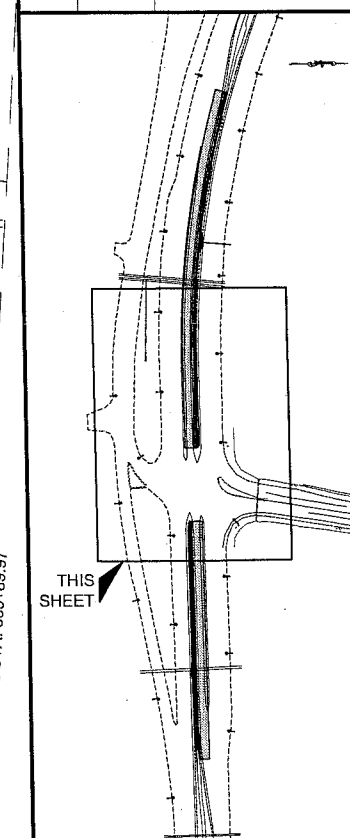
WEAVER, JON M (DOT)
TAB: F2

ADDENDUM NUMBER

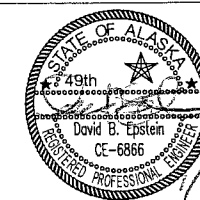
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: D. EPSTEIN



DESIGNED BY: J. WEAVER

DRAWN BY: J. WEAVER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

EGAN/YANDUKIN
INTERSECTION SAFETY
ENHANCEMENTS
PROJECT #69402

PLAN SHEETS

PROJECT DESIGNATION

HHE-0932(48)/69402

STATE
ALASKA

YEAR
2012

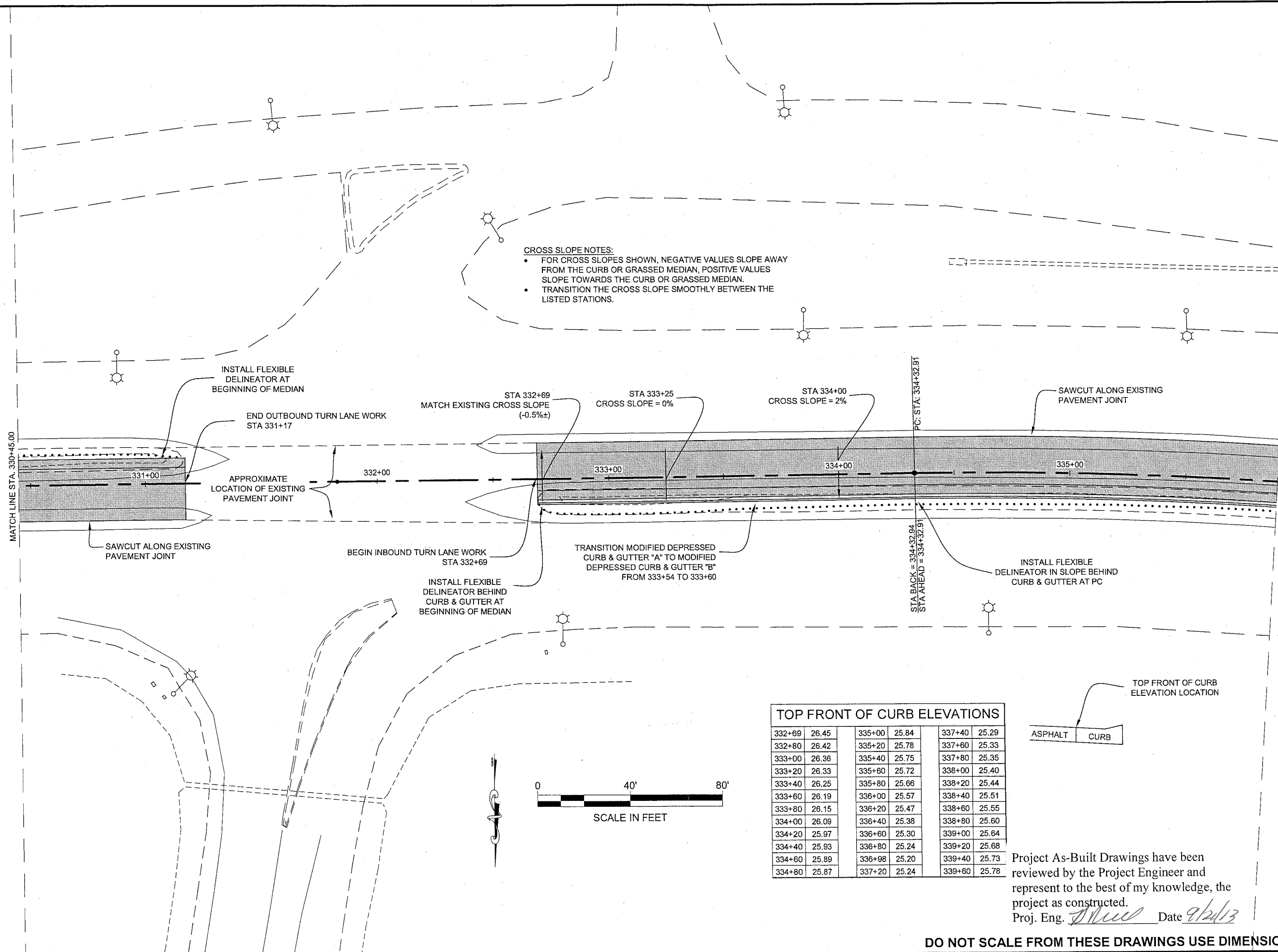
SHEET NUMBER

F2

TOTAL SHEETS

19

- CROSS SLOPE NOTES:**
- FOR CROSS SLOPES SHOWN, NEGATIVE VALUES SLOPE AWAY FROM THE CURB OR GRASSED MEDIAN, POSITIVE VALUES SLOPE TOWARDS THE CURB OR GRASSED MEDIAN.
 - TRANSITION THE CROSS SLOPE SMOOTHLY BETWEEN THE LISTED STATIONS.



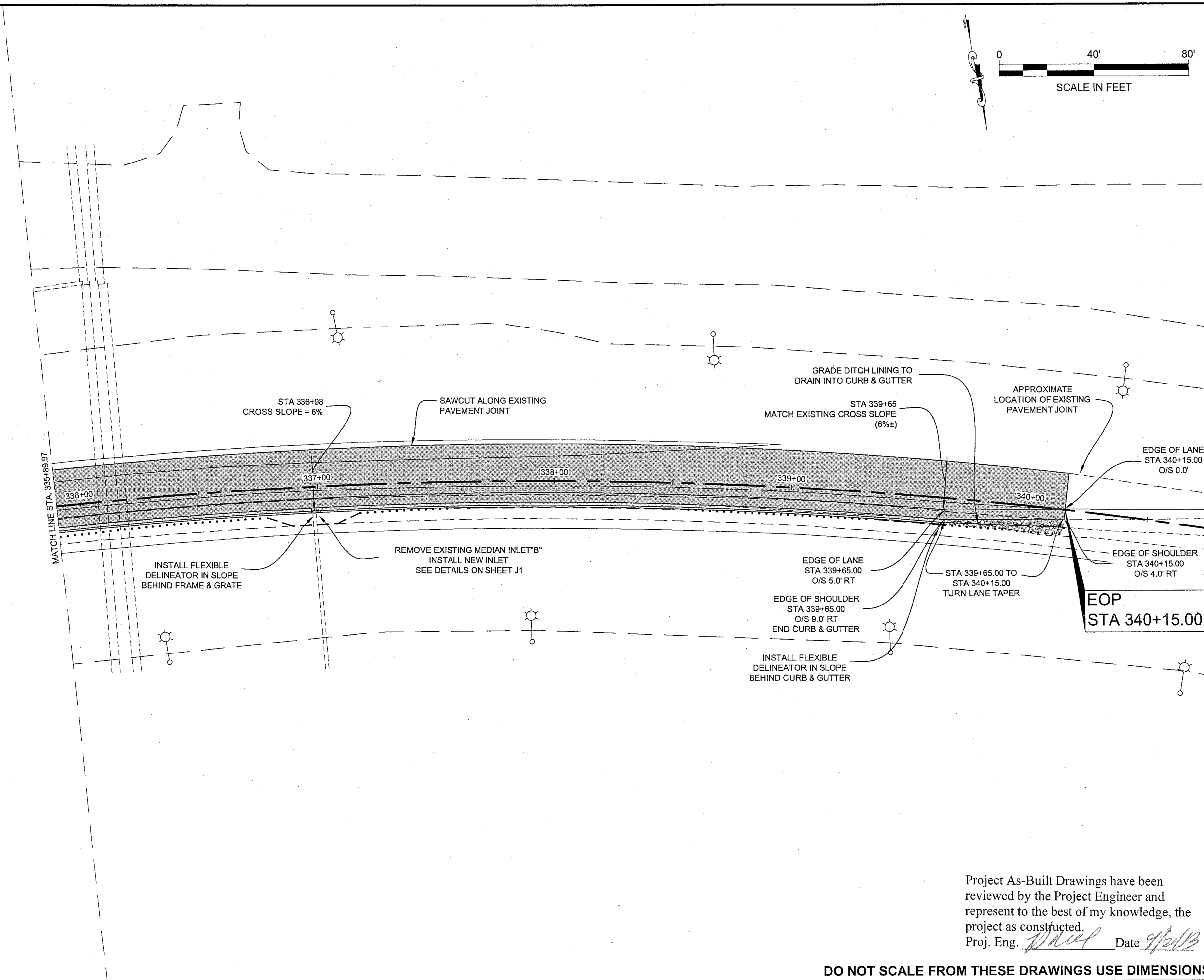
TOP FRONT OF CURB ELEVATIONS

332+69	26.45	335+00	25.84	337+40	25.29
332+80	26.42	335+20	25.78	337+60	25.33
333+00	26.36	335+40	25.75	337+80	25.35
333+20	26.33	335+60	25.72	338+00	25.40
333+40	26.25	335+80	25.66	338+20	25.44
333+60	26.19	336+00	25.57	338+40	25.51
333+80	26.15	336+20	25.47	338+60	25.55
334+00	26.09	336+40	25.38	338+80	25.60
334+20	25.97	336+60	25.30	339+00	25.64
334+40	25.93	336+80	25.24	339+20	25.68
334+60	25.89	336+98	25.20	339+40	25.73
334+80	25.87	337+20	25.24	339+60	25.78

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.

Proj. Eng. *[Signature]* Date *9/24/13*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date *9/20/13*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: Q:\JUN169402\PLANSET\F-PLAN AND PROFILE.DWG

WEAVER, JON M (DOT)

TAB: F3

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

CHECKED BY: D. EPSTEIN

DESIGNED BY: J. WEAVER

DRAWN BY: J. WEAVER

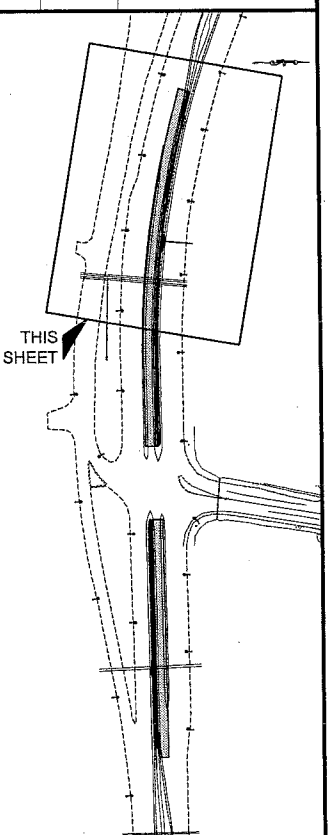
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

EGAN/YANDUKIN
INTERSECTION SAFETY
ENHANCEMENTS
PROJECT #69402

PLAN SHEETS

PROJECT DESIGNATION
HHE-0932(48)/69402

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F3	19



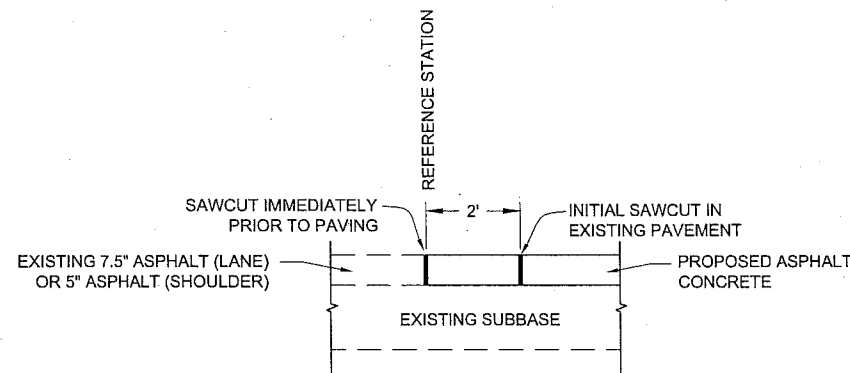
WEAVER, JON M (DOT)
TAB: J1

ADDENDUM NUMBER

ATTACHMENT NUMBER

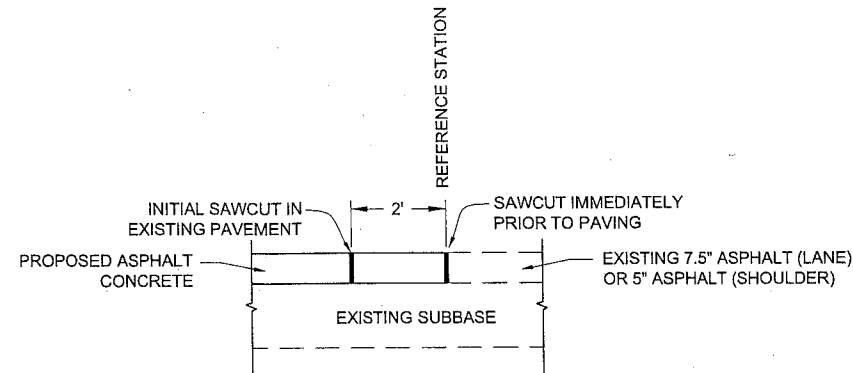
RECORD OF REVISIONS

No.	DATE	DESCRIPTION



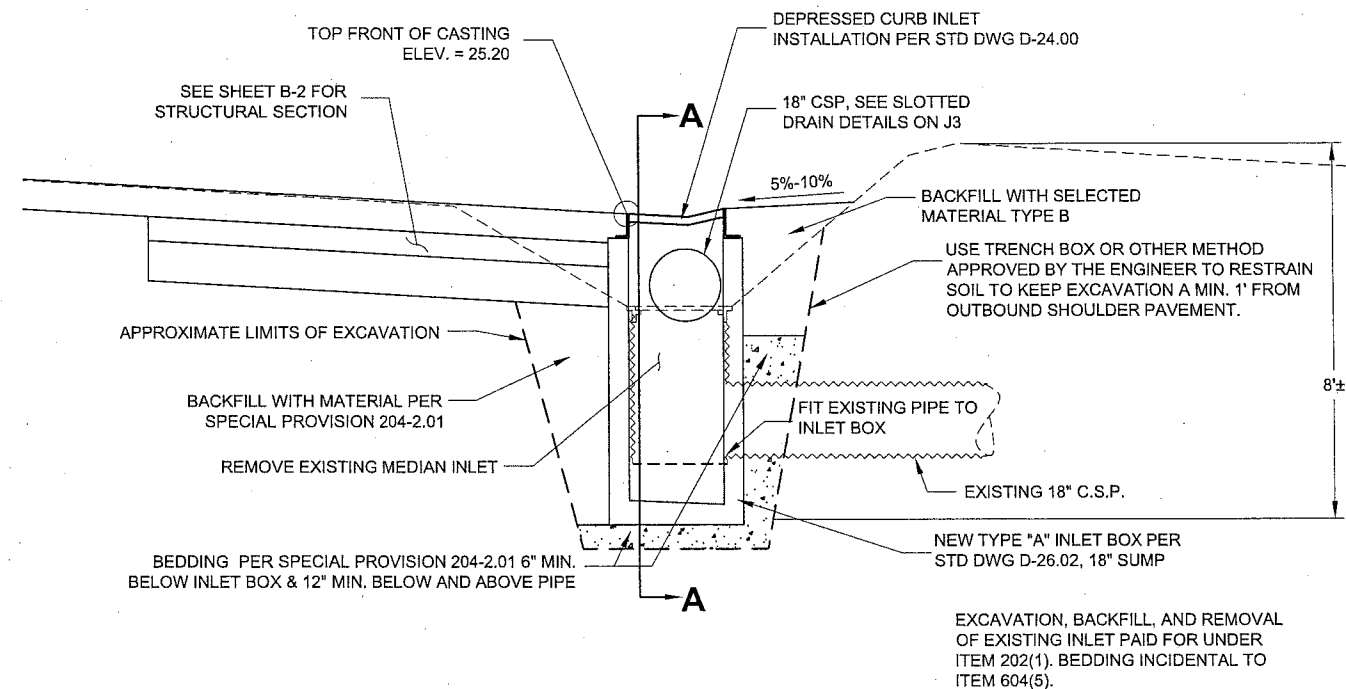
PAVEMENT MATCH JOINT DETAIL

STATION 326+23 (BOP) AND
STATION 332+69 (BEGIN INBOUND TURN LANE WORK)



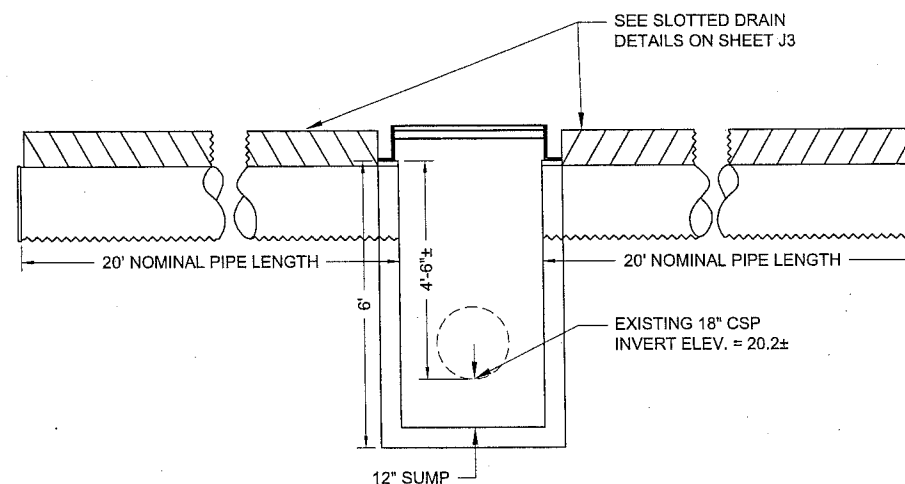
PAVEMENT MATCH JOINT DETAIL

STATION 331+17 (END OUTBOUND TURN LANE WORK) AND
STATION 340+10 (EOP)



MEDIAN INLET "B" DETAILS

STA 336+98±, ±11' RT

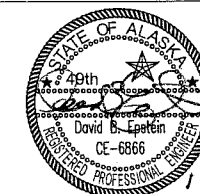


SECTION A-A

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date *[Signature]*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. EPSTEIN



DESIGNED BY: J. WEAVER

DRAWN BY: J. WEAVER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

EGAN/YANDUKIN
INTERSECTION SAFETY
ENHANCEMENTS
PROJECT #69402

MISCELLANEOUS DETAILS

PROJECT DESIGNATION

HHE-0932(48)/69402

STATE

ALASKA

SHEET NUMBER

J1

YEAR

2012

TOTAL SHEETS

19

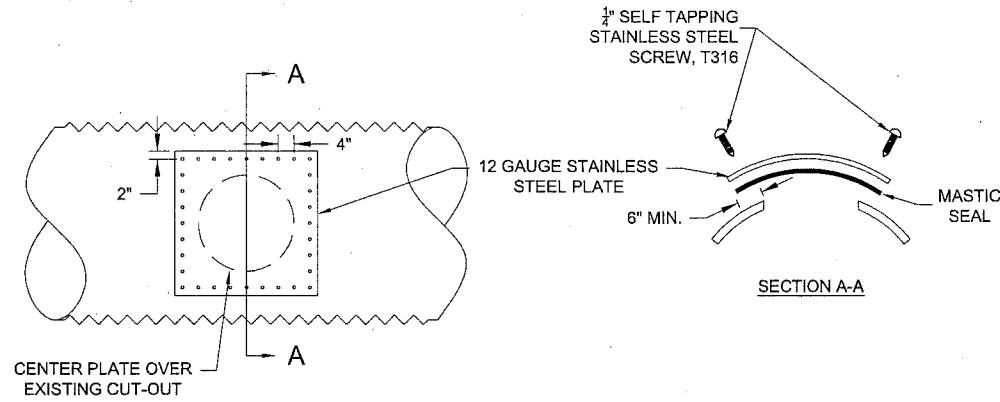
WEAVER, JON M (DOT)
TAB: J2

ADDENDUM NUMBER

ATTACHMENT NUMBER

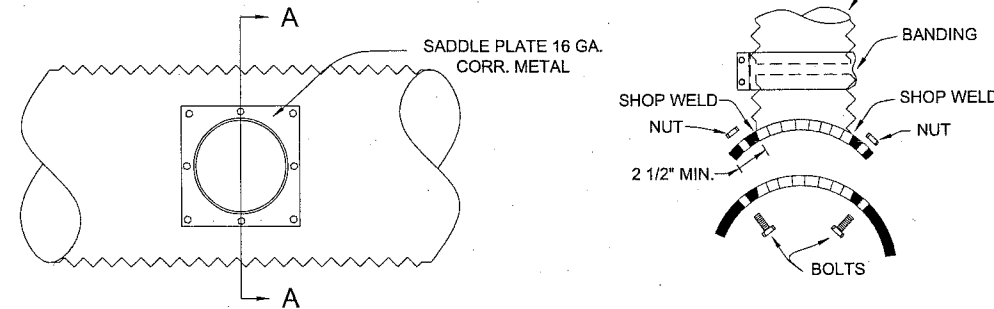
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No.	DATE	DESCRIPTION

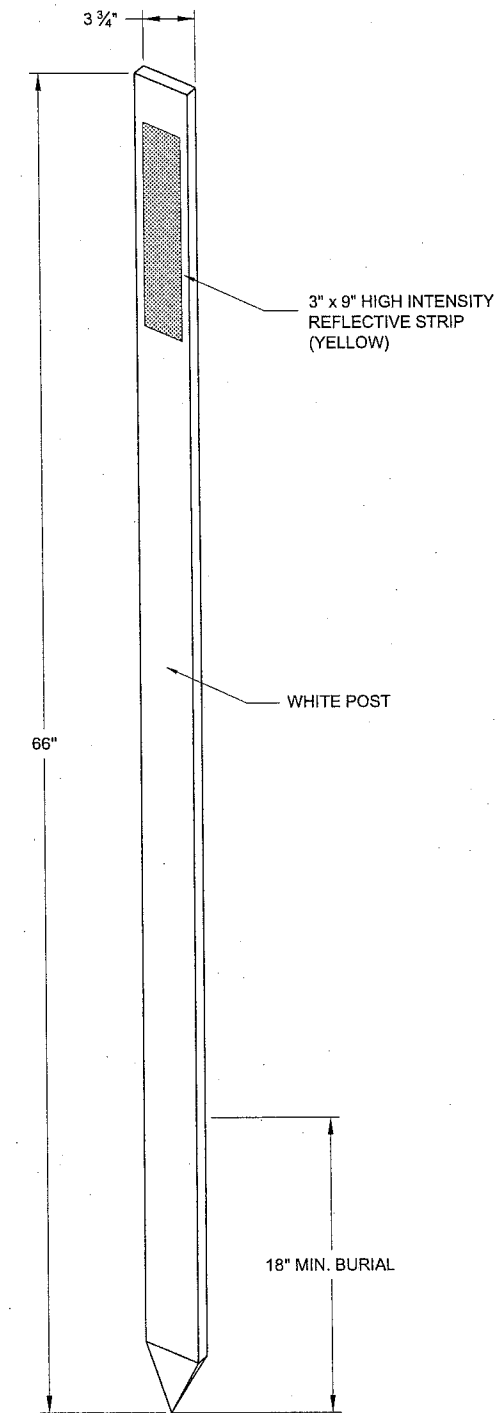


MEDIAN INLET "A" SADDLE PLATE SEAL

- NOTES:
- SEE SECTION 202 OF THE SPECIAL PROVISIONS.
 - MASTIC SEAL SHALL COMPLETELY FILL CORRUGATIONS BETWEEN THE EXISTING CULVERT AND THE PLATE.
 - RIVETS MAY BE SUBSTITUTED FOR THE SELF TAPPING SCREWS



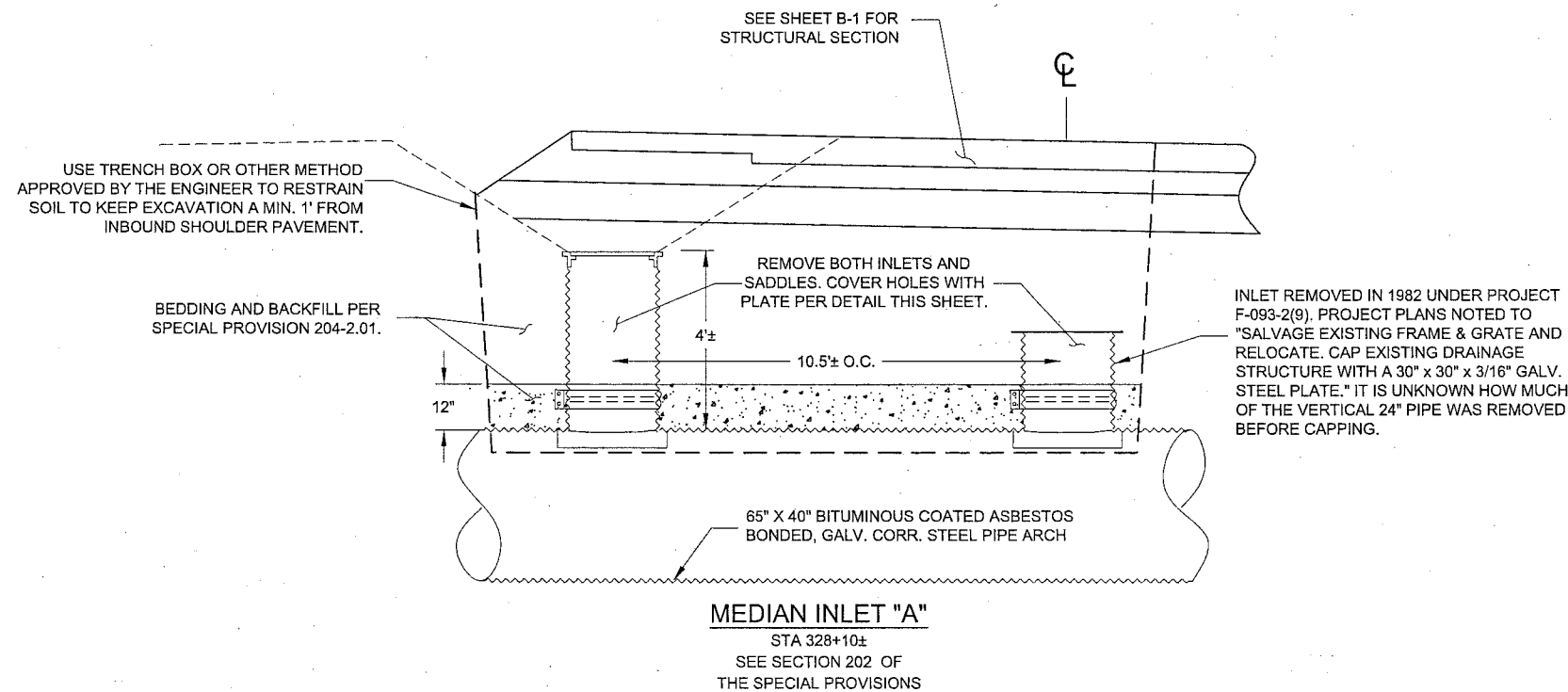
MEDIAN INLET "A" EXISTING SADDLE DETAILS FROM PROJECT F-093-2(9) "AS-BUILTS"



FLEXIBLE DELINEATOR DETAIL

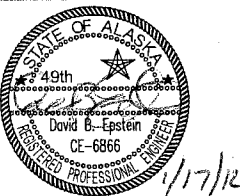
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date *9/24/13*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



MEDIAN INLET "A" STA 328+10± SEE SECTION 202 OF THE SPECIAL PROVISIONS

CHECKED BY: D. EPSTEIN



DESIGNED BY: J. WEAVER

DRAWN BY: J. WEAVER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

EGANYANDUKIN
INTERSECTION SAFETY
ENHANCEMENTS
PROJECT #69402

MISCELLANEOUS DETAILS

PROJECT DESIGNATION

HHE-0932(48)/69402

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
J2	19

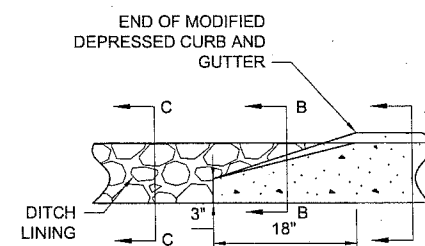
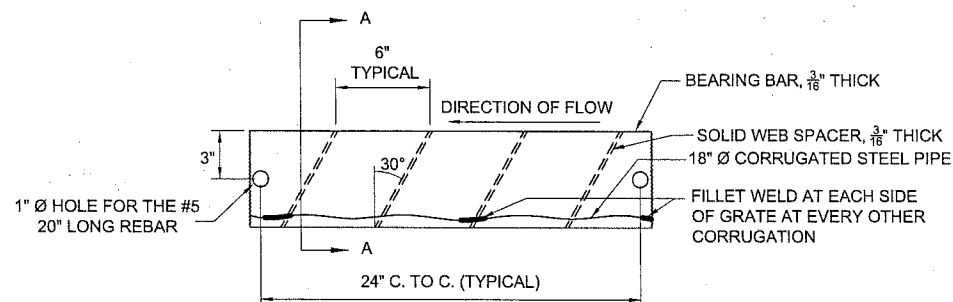
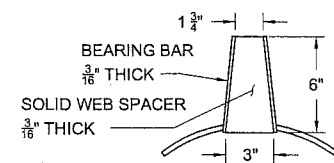
WEAVER, JON M (DOT)
TAB: J3

ADDENDUM NUMBER

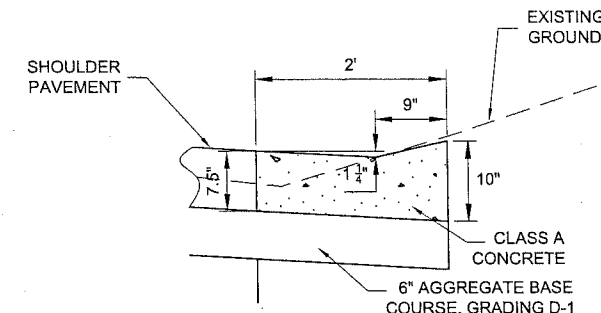
ATTACHMENT NUMBER

RECORD OF REVISIONS

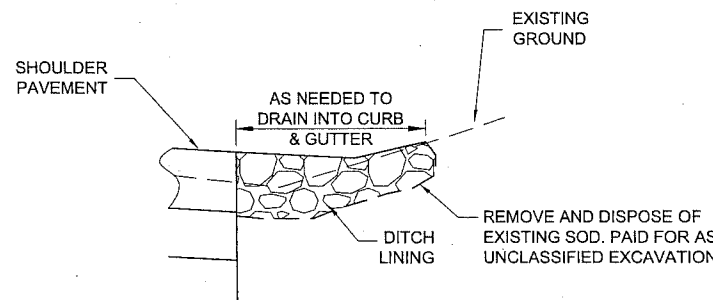
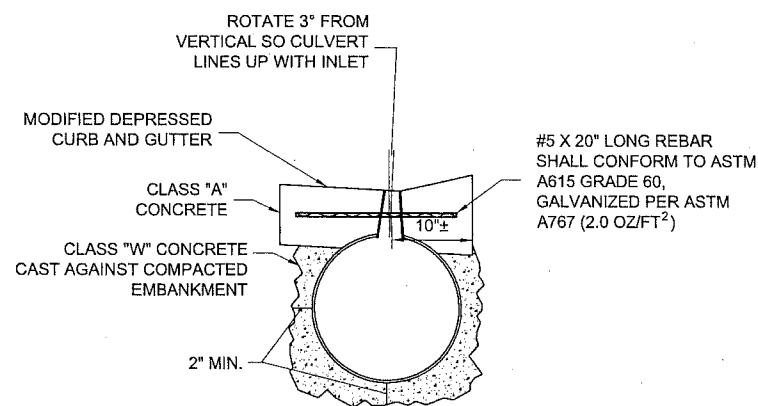
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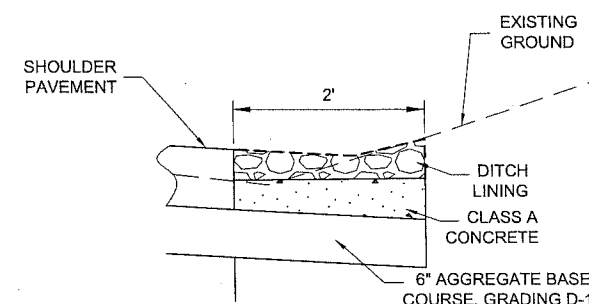
PROFILE



SECTION A-A



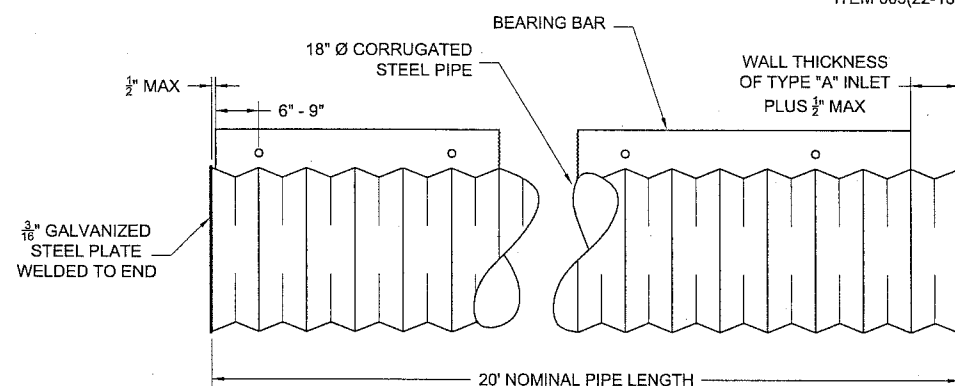
SECTION C-C



SECTION B-B

SLOTTED DRAIN NOTES

1. SLOTTED DRAIN PIPE SHALL BE GALVANIZED 18" NOMINAL DIAMETER AND A MINIMUM OF 12 GAUGE.
2. THE GRATE ASSEMBLIES SHALL BE HOT DIP GALVANIZED AFTER FABRICATION TO MEET THE REQUIREMENTS OF AASHTO M 111.
3. WEB SPACERS SHALL BE JOINED TO THE BEARING BARS IN SUCH A MANNER THAT THE 6" DEEP GRATING SHALL PROVIDE 15,000 LB OF TENSION ACROSS THE SLOT.
4. CLASS W CONCRETE AND #5 REBAR FOR SECURING THE SLOTTED DRAIN PIPE SHALL BE CONSIDERED INCIDENTAL TO PAY ITEM 603(22-18).



SLOTTED DRAIN DETAILS

STA 336+77± TO 337+19±

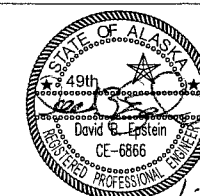
CURB & GUTTER END DETAILS

STA 339+70

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date *11/17/12*

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CHECKED BY: D. EPSTEIN



DESIGNED BY: J. WEAVER

DRAWN BY: J. WEAVER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

EGAN/YANDUKIN
INTERSECTION SAFETY
ENHANCEMENTS
PROJECT #69402

**MISCELLANEOUS
DETAILS**

PROJECT DESIGNATION

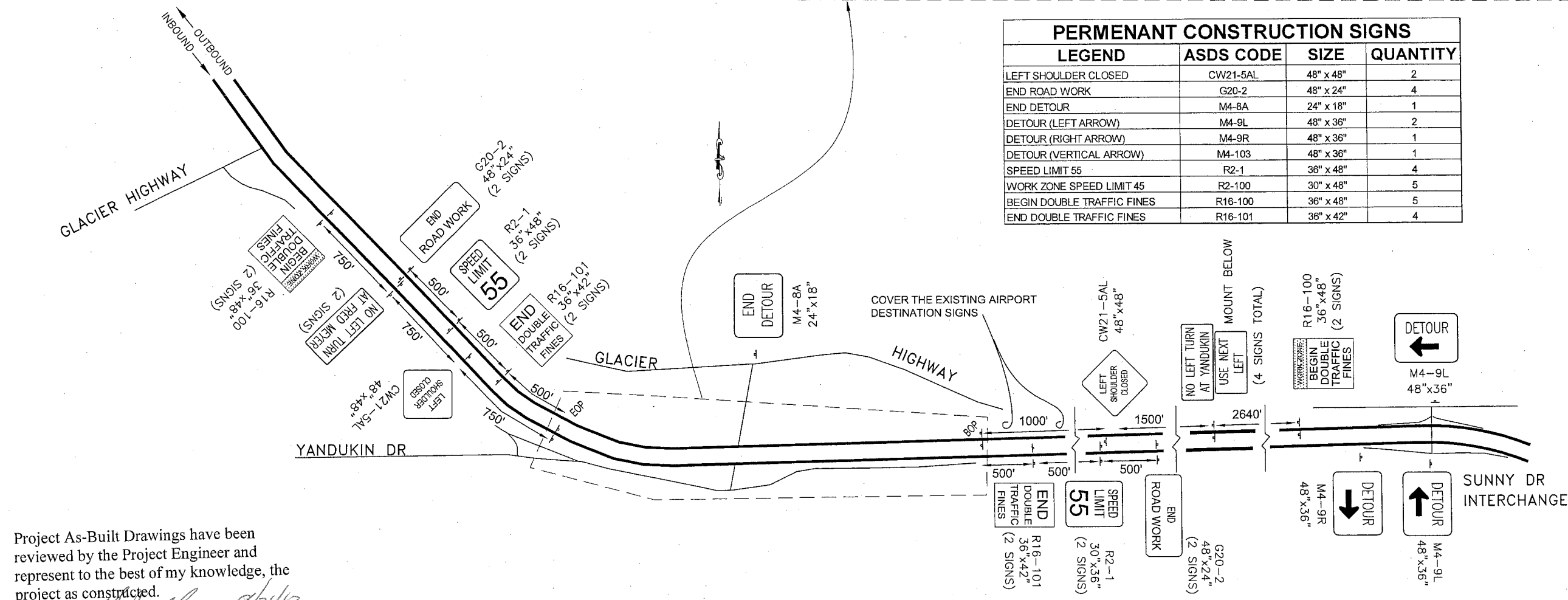
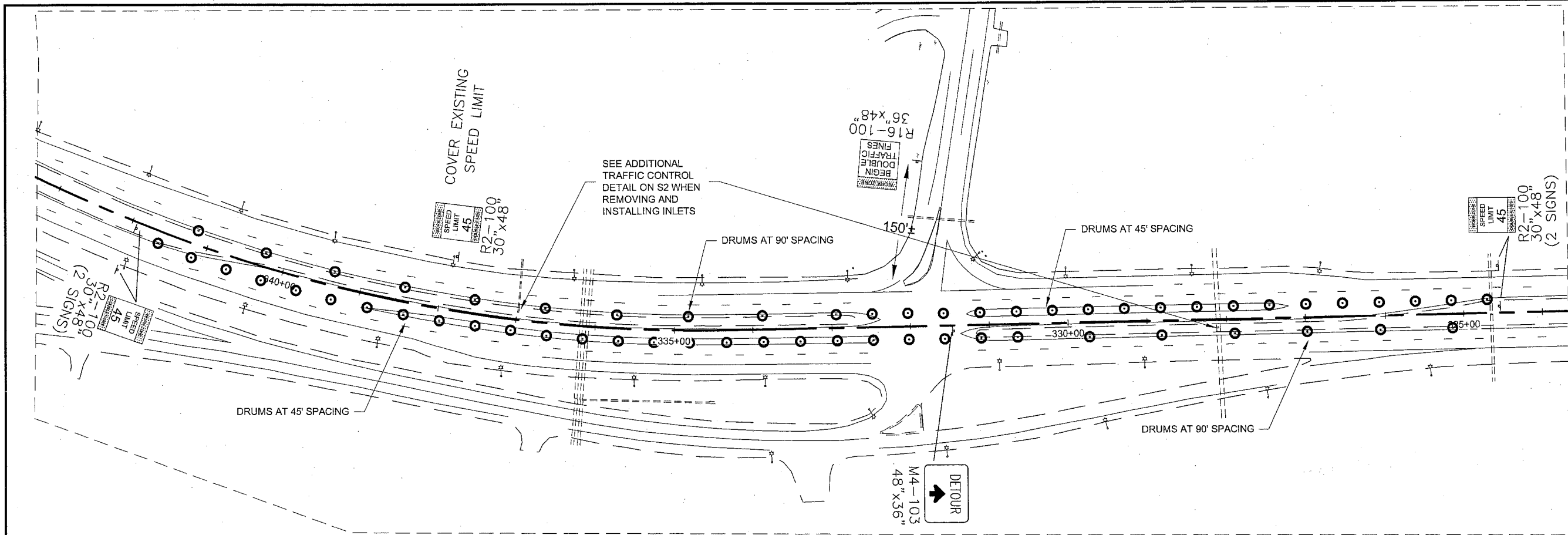
HHE-0932(48)/69402

STATE YEAR

ALASKA 2012

SHEET NUMBER TOTAL SHEETS

J3 19



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 Proj. Eng. *[Signature]* Date *9/24/12*

PERMANENT CONSTRUCTION SIGNS			
LEGEND	ASDS CODE	SIZE	QUANTITY
LEFT SHOULDER CLOSED	CW21-5AL	48" x 48"	2
END ROAD WORK	G20-2	48" x 24"	4
END DETOUR	M4-8A	24" x 18"	1
DETOUR (LEFT ARROW)	M4-9L	48" x 36"	2
DETOUR (RIGHT ARROW)	M4-9R	48" x 36"	1
DETOUR (VERTICAL ARROW)	M4-103	48" x 36"	1
SPEED LIMIT 55	R2-1	36" x 48"	4
WORK ZONE SPEED LIMIT 45	R2-100	30" x 48"	5
BEGIN DOUBLE TRAFFIC FINES	R16-100	36" x 48"	5
END DOUBLE TRAFFIC FINES	R16-101	36" x 42"	4

PATH: Q:\JUNU69402\PLANSET\S1-S2 TRAFFIC CONTROL.DWG
 WEAVER, JON M (DOT)
 TAB: S1

ADDENDUM NUMBER
 ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

CHECKED BY: D. EPSTEIN
 DESIGNED BY: J. WEAVER
 DRAWN BY: J. WEAVER
 STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION
 EGAN/YANDUKIN INTERSECTION SAFETY ENHANCEMENTS
 PROJECT #69402
TRAFFIC CONTROL
 PROJECT DESIGNATION
HHE-0932(48)/69402

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
S1	19

TRAFFIC CONTROL NOTES

1. IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME BUT NOT ALL OF THE TRAFFIC CONTROL CONFIGURATIONS THAT WILL BE REQUIRED BY THIS PROJECT. TRAFFIC CONTROL PLANS FOR CONFIGURATIONS NOT COVERED BY THIS TCP SHALL BE DEVELOPED AND SUBMITTED FOR APPROVAL BY THE ENGINEER PRIOR TO USE.
2. RESTRICTIONS OF THE EGAN DRIVE THROUGH LANES WILL NOT BE PERMITTED UNLESS AUTHORIZED BY THE ENGINEER. IN NO CASE WILL RESTRICTIONS OF THE EGAN DRIVE THROUGH LANES BE AUTHORIZED BETWEEN 6:00AM - 9:00AM AND 4:00PM-7:00PM.
3. BOTH TURN LANES MUST REMAIN CLOSED AT THE SAME TIME BECAUSE EQUIPMENT MAY BLOCK THE SIGHT LINES TO TURNING VEHICLES. CLOSURE OF THE TURN LANES SHALL NOT EXCEED 21 CALENDAR DAYS UNLESS SPECIFICALLY AUTHORIZED BY THE ENGINEER IN WRITING.
4. AFTER THE TURN LANES ARE OPENED FOLLOWING SUBSTANTIAL COMPLETION, FURTHER CLOSURES OF THE TURN LANES (I.E. FOR PLACING METHYL METHACRYLATE PAVEMENT MARKINGS) REQUIRE APPROVAL OF THE ENGINEER AND WILL ONLY BE AUTHORIZED BETWEEN 9:00 PM AND 6:00 AM.
5. CONSTRUCTION SIGNING SHALL BE IN PLACE ONLY WHEN THE CONDITIONS EXIST FOR WHICH THE SIGNS ARE INTENDED. CONSTRUCTION SIGNS SHALL BE PLACED SUCH THAT THEY DO NOT OBSCURE EXISTING TRAFFIC SIGNS.
6. THE SHOULDER DROP-OFF (W8-17 AND W8-17P) SIGN SHOULD BE USED DURING OPERATIONS THAT CREATE A DIFFERENCE IN ELEVATION OF 1.5 INCHES OR GREATER BETWEEN ADJACENT LANES.
7. WORK ZONE DOUBLE TRAFFIC FINES SIGNS SHALL BE USED AS DIRECTED BY THE ENGINEER AND PER STANDARD DRAWING C-04.12.
8. WARNING LIGHTS SHALL BE USED ON ALL CHANNELIZING DEVICES PLACED ALONG OR AROUND ROADWAY HAZARDS AS DIRECTED BY THE ENGINEER.
9. PUBLIC NOTICE IS REQUIRED AT LEAST 30 DAYS BEFORE BEGINNING CONSTRUCTION. SEE SECTION 643-3.03 OF THE SPECIAL PROVISIONS.
10. ALL TRAFFIC CONTROL PLANS SUBMITTED BY THE CONTRACTOR SHALL BE NUMBERED. ALL TRAFFIC CONTROL PLANS THAT USE A TYPICAL APPLICATION AS DESCRIBED IN THE MUTCD SHALL REFERENCE THE TYPICAL APPLICATION. EXAMPLE: TCP 3, MUTCD TA-10.
11. ALL PAVED SECTIONS OF ROADWAY SHALL BE SWEEPED CLEAN BEFORE OPENING TO TRAFFIC. ALL HAUL ROUTES OPEN TO THE PUBLIC SHALL BE SWEEPED CLEAN AT THE END OF CONSTRUCTION EACH DAY.

TCP LEGEND

..... SIGN

..... CONE

..... DRUM

..... PORTABLE CONCRETE BARRIER WITH LIGHT

..... TEMPORARY CRASH CUSHION / REDIRECTIVE

FORMULAS FOR L (TAPER LENGTH)

40 MPH OR LESS $L = \frac{W \times S^2}{60}$

45 MPH OR GREATER $L = W \times S$

WHERE W= WIDTH OF OFFSET

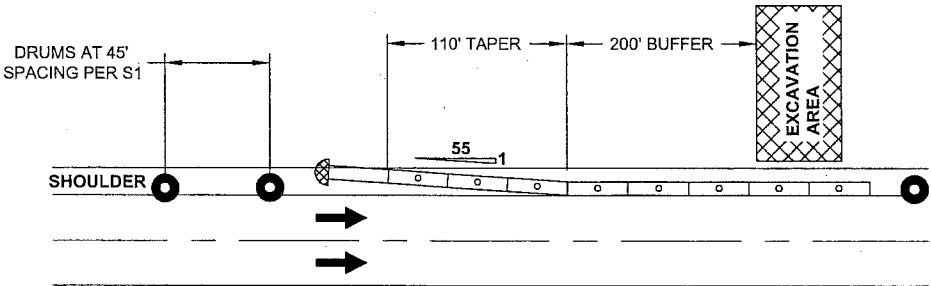
S= POSTED SPEED LIMIT
OR ANTICIPATED
OPERATING SPEED

MAXIMUM DRUM
OR CONE SPACING = S (IN FEET) FOR TAPERS
= 2S (IN FEET) FOR TANGENTS

MIN. BUFFER	
S	LENGTH
20	115
25	115
30	200
35	250
40	305
45	360
50	425
55	495

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.

Proj. Eng. Dave Date 2/24/12



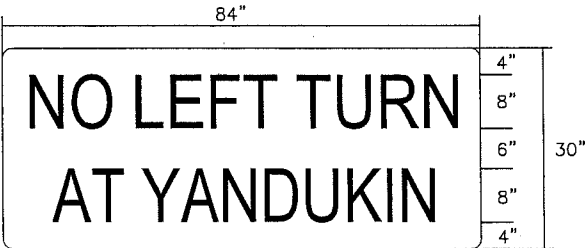
CULVERT INLET REMOVAL AND INSTALLATION

INLET "A" STA. 328+10±
INLET "B" STA. 336+98±

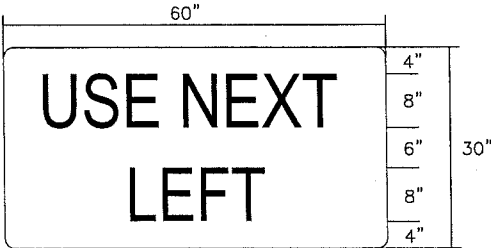
NOTE: THESE SIGNS WILL
BE PAID FOR UNDER
ITEM 643(11) SPECIAL
CONSTRUCTION SIGNS



LETTER SERIES: C
LEGEND COLOR: BLACK
BACKGROUND: ORANGE



LETTER SERIES: C
LEGEND COLOR: BLACK
BACKGROUND: ORANGE



LETTER SERIES: C
LEGEND COLOR: BLACK
BACKGROUND: ORANGE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH:Q:\JUNI69402\PLANSET\1-S2 TRAFFIC CONTROL.DWG

WEAVER, JON M (DOT)
TAB: S2

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

CHECKED BY: D. EPSTEIN

TCP NOT SEALED IN
ACCORDANCE WITH ALASKA
HIGHWAY PRECONSTRUCTION
MANUAL SECTION 1400.3.5
DATED JANUARY 30, 2012

DESIGNED BY: J. WEAVER

DRAWN BY: J. WEAVER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

EGAN/YANDUKIN
INTERSECTION SAFETY
ENHANCEMENTS
PROJECT #69402

TRAFFIC CONTROL

PROJECT DESIGNATION
HHE-0932(48)/69402

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
S2	19

NOTE: PLACE TEMPORARY PAINT OR PREFORMED PAVEMENT MARKING TAPE FOR ALL METHYL METHACRYLATE EDGE MARKINGS IF OPENING UP THE TURN LANES TO TRAFFIC PRIOR TO THE 15 DAY ASPHALT CURE TIME REQUIRED FOR INSTALLING METHYL METHACRYLATE. TEMPORARY MARKINGS FOR THE LEFT TURN ARROWS ARE NOT REQUIRED.

PATH: Q:\JNU\69402\PLAN\SETIS SIGN AND STRIPING.DWG

WEAVER, JON M (DOT)

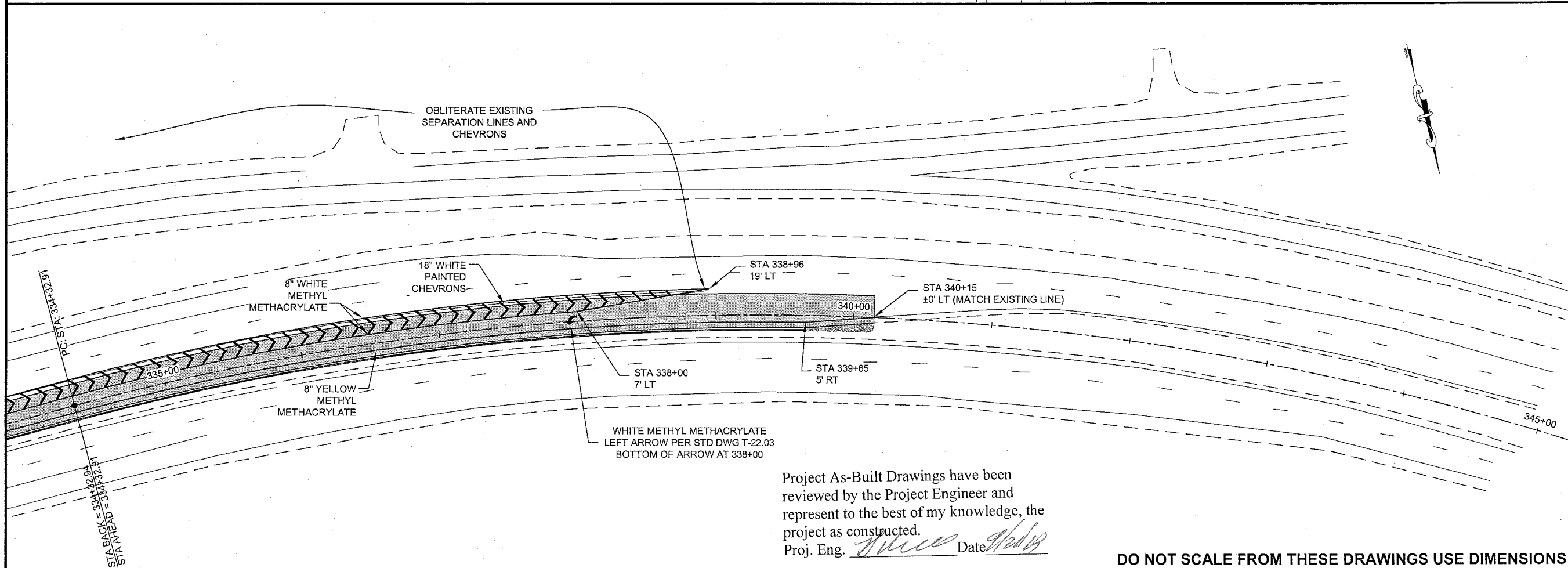
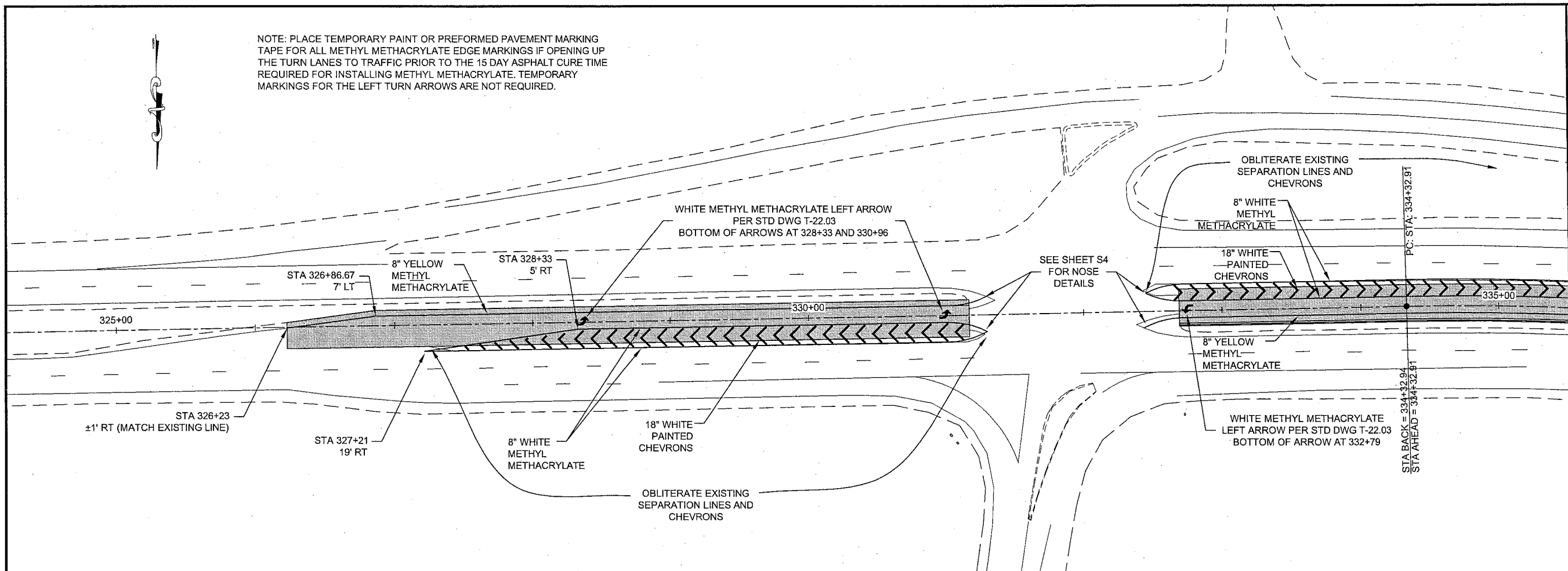
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ATTACHMENT NUMBER

RECORD OF REVISIONS

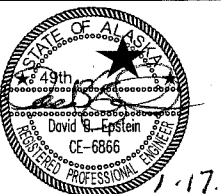
No.	DATE	DESCRIPTION



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 Proj. Eng. *[Signature]* Date *9/26/12*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. EPSTEIN



DESIGNED BY: J. WEAVER

DRAWN BY: J. WEAVER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

EGAN/YANDUKIN
 INTERSECTION SAFETY
 ENHANCEMENTS
 PROJECT #69402

STRIPING LAYOUT

PROJECT DESIGNATION

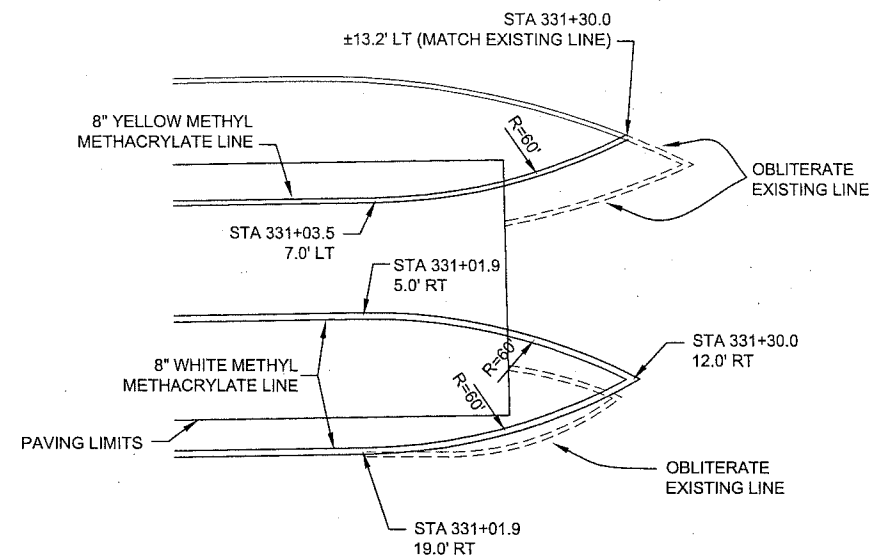
HHE-0932(48)/69402

STATE YEAR

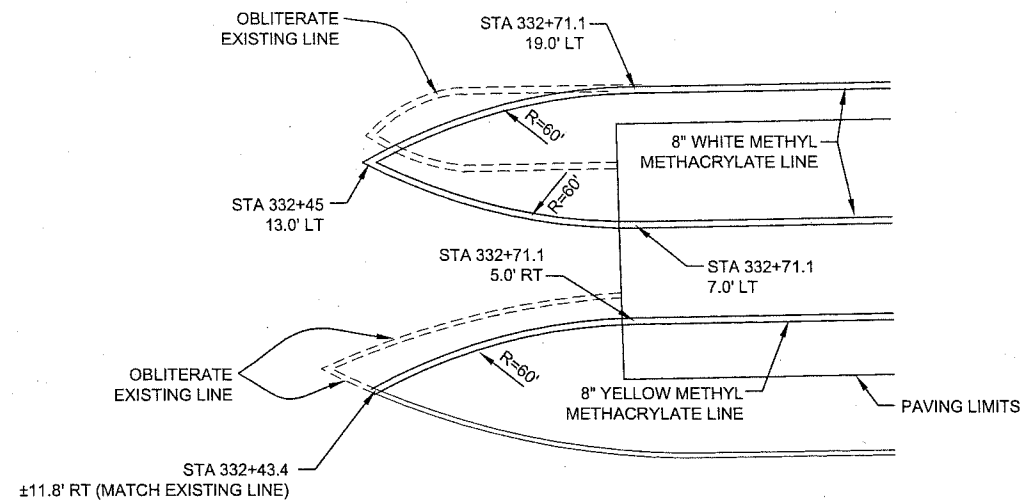
ALASKA 2012

SHEET NUMBER TOTAL SHEETS

S3 19



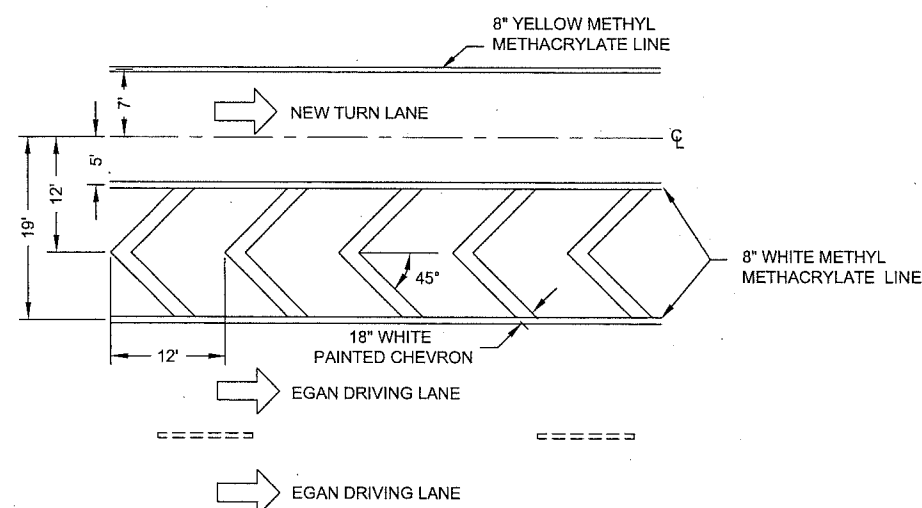
OUTBOUND TURN LANE



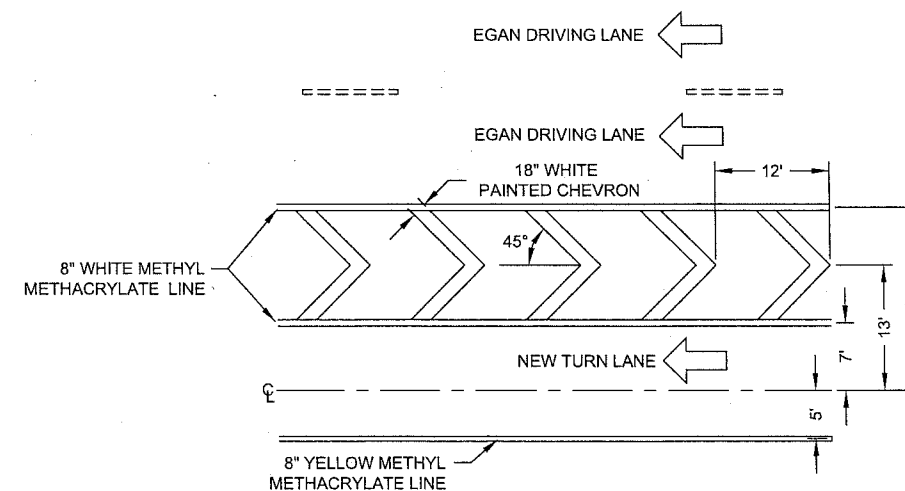
INBOUND TURN LANE

PAINTED NOSE DETAILS

CHEVRONS NOT SHOWN FOR CLARITY

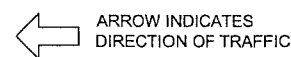


OUTBOUND TURN LANE



INBOUND TURN LANE

SEPARATION CHEVRON DETAILS



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date *2/2/13*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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WEAVER, JON M (DOT)
TAB: S4

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

CHECKED BY: D. EPSTEIN



DESIGNED BY: J. WEAVER

DRAWN BY: J. WEAVER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

EGAN/YANDUKIN
INTERSECTION SAFETY
ENHANCEMENTS
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STRIPING DETAILS

PROJECT DESIGNATION

HHE-0932(48)/69402

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
S4	19

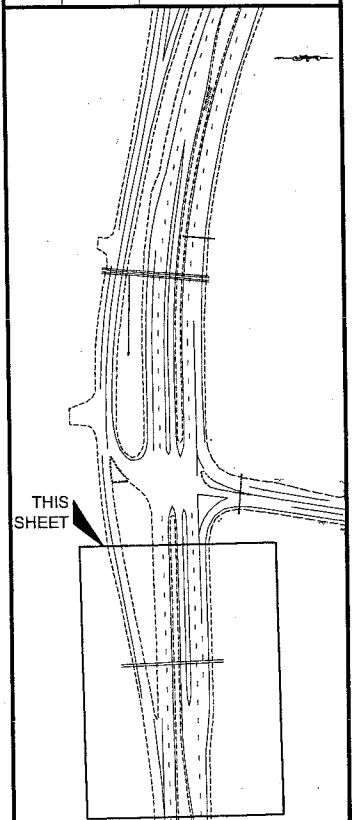
WEAVER, JON M (DOT)
TAB: T1

ADDENDUM NUMBER

ATTACHMENT NUMBER

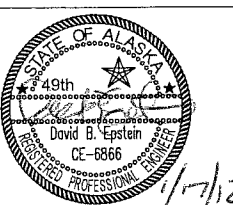
RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: D. EPSTEIN



DESIGNED BY: J. WEAVER

DRAWN BY: J. WEAVER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

EGAN/YANDUKIN
INTERSECTION SAFETY
ENHANCEMENTS
PROJECT #69402

ESCP

PROJECT DESIGNATION

HHE-0932(48)/69402

STATE

YEAR

ALASKA

2012

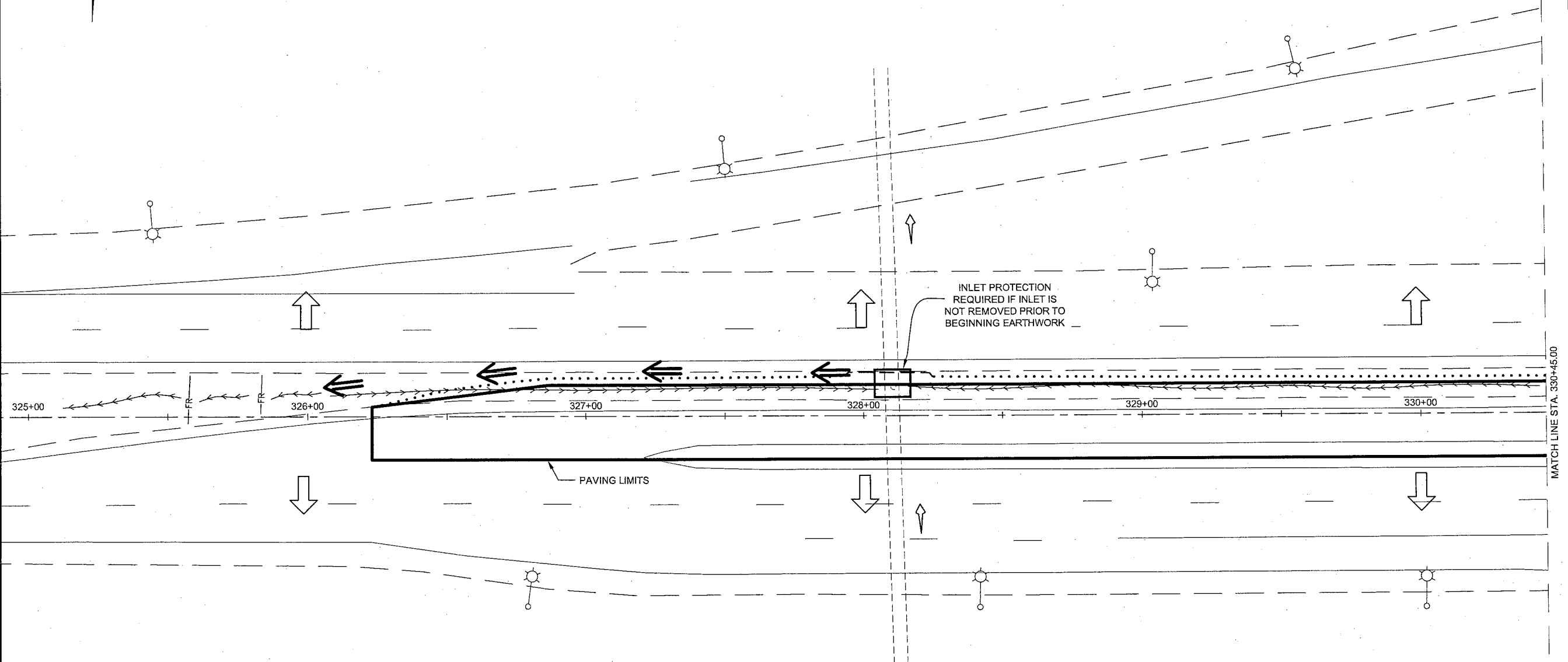
SHEET NUMBER

TOTAL SHEETS

T1

19

0 40' 80'
SCALE IN FEET



ESCP SYMBOL LEGEND

- SURFACE FLOW
- CULVERT FLOW DIRECTION
- EXISTING DITCH FLOW
- PROPOSED DITCH FLOW (WHEN DIFFERENT THAN EXISTING FLOW DIRECTION)
- INLET PROTECTION
- FIBER ROLL

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date *9/24/12*

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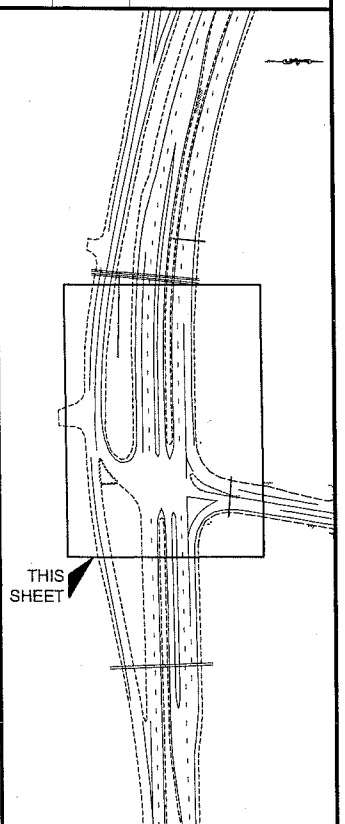
WEAVER, JON M (DOT)
TAB: T2

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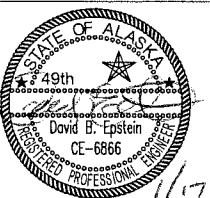
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PLAN LEGEND

CHECKED BY: D. EPSTEIN



DESIGNED BY: J. WEAVER

DRAWN BY: J. WEAVER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

EGAN/YANDUKIN
INTERSECTION SAFETY
ENHANCEMENTS
PROJECT #69402

ESCP







PROJECT DESIGNATION

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ALASKA	2012

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T2	19

ESCP SYMBOL LEGEND

-  SURFACE FLOW
-  CULVERT FLOW DIRECTION
-  EXISTING DITCH FLOW
-  PROPOSED DITCH FLOW (WHEN DIFFERENT THAN EXISTING FLOW DIRECTION)
-  INLET PROTECTION
-  FIBER ROLL

0 40' 80'
SCALE IN FEET

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Proj. Eng. *[Signature]* Date 9/20/12

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WEAVER, JON M (DOT)

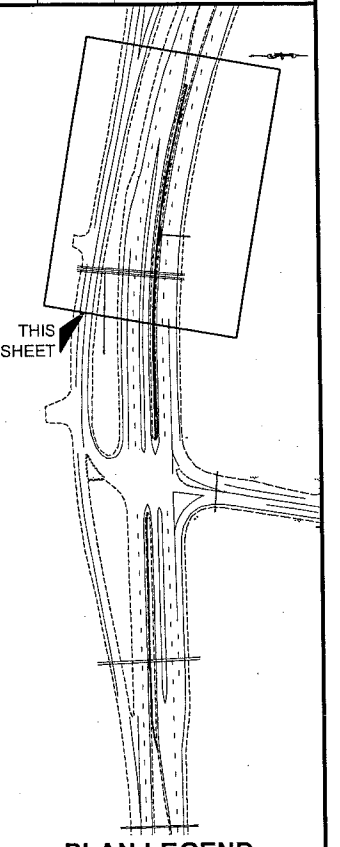
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



THIS SHEET

PLAN LEGEND

CHECKED BY: D. EPSTEIN



DESIGNED BY: J. WEAVER

DRAWN BY: J. WEAVER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

EGAN/YANDUKIN
INTERSECTION SAFETY
ENHANCEMENTS
PROJECT #69402

ESCP

PROJECT DESIGNATION

HHE-0932(48)/69402

STATE

YEAR

ALASKA

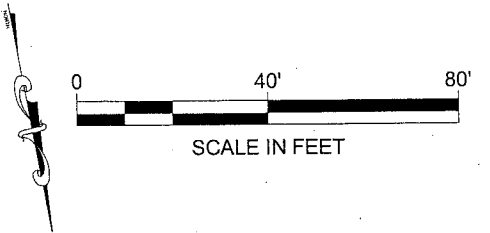
2012

SHEET NUMBER

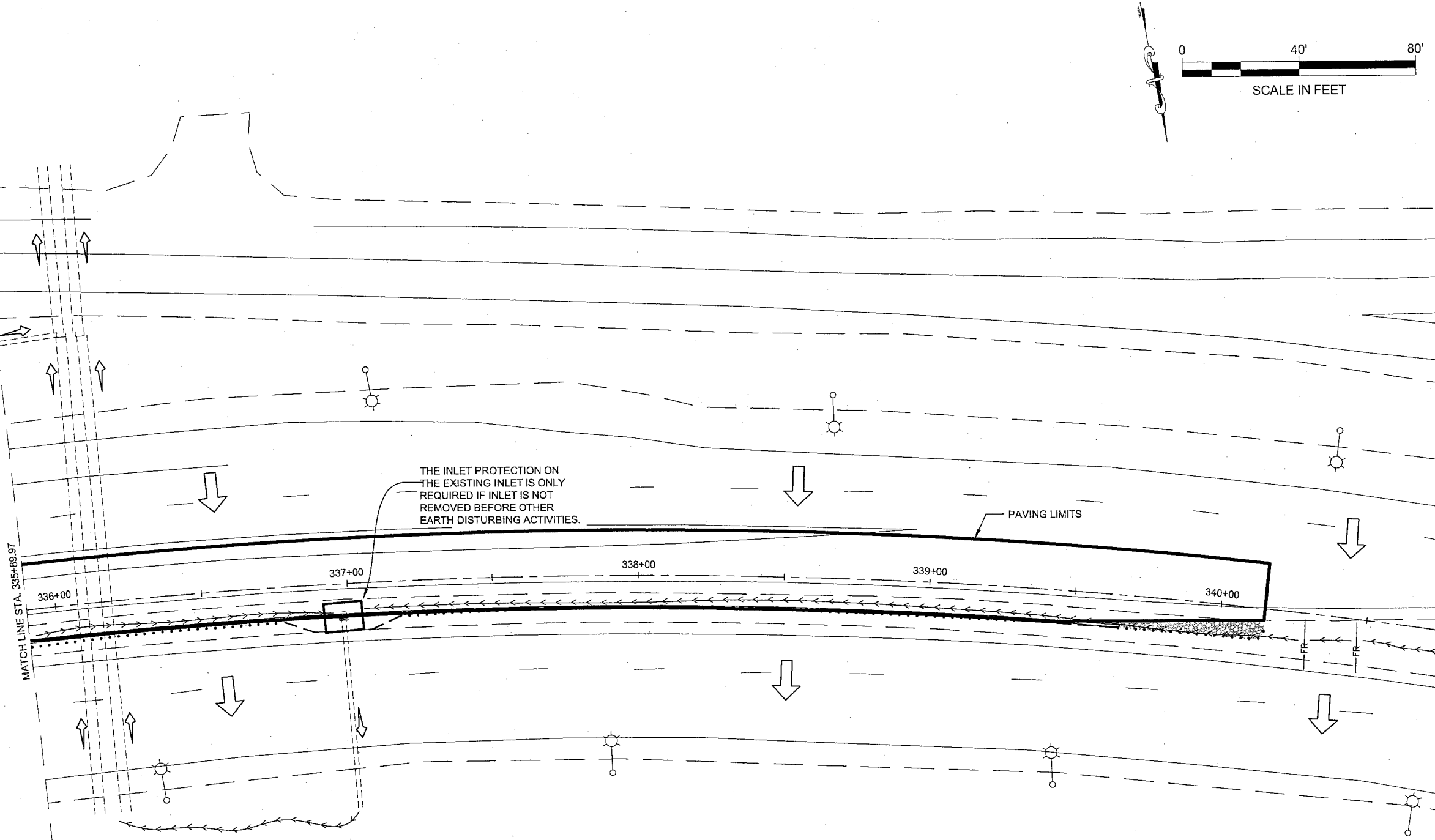
TOTAL SHEETS

T3

19



SCALE IN FEET



THE INLET PROTECTION ON THE EXISTING INLET IS ONLY REQUIRED IF INLET IS NOT REMOVED BEFORE OTHER EARTH DISTURBING ACTIVITIES.

PAVING LIMITS

MATCH LINE STA. 335+89.97

ESCP SYMBOL LEGEND

- SURFACE FLOW
- CULVERT FLOW DIRECTION
- EXISTING DITCH FLOW
- PROPOSED DITCH FLOW (WHEN DIFFERENT THAN EXISTING FLOW DIRECTION)
- INLET PROTECTION
- FIBER ROLL

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date *9/24/12*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

WEAVER, JON M (DOT)
TAB: T4

ADDENDUM NUMBER

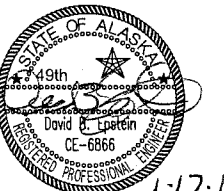
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

PLAN LEGEND

CHECKED BY: D. EPSTEIN



DESIGNED BY: J. WEAVER

DRAWN BY: J. WEAVER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

EGAN/YANDUKIN
INTERSECTION SAFETY
ENHANCEMENTS
PROJECT #69402

ESCP DETAILS

PROJECT DESIGNATION

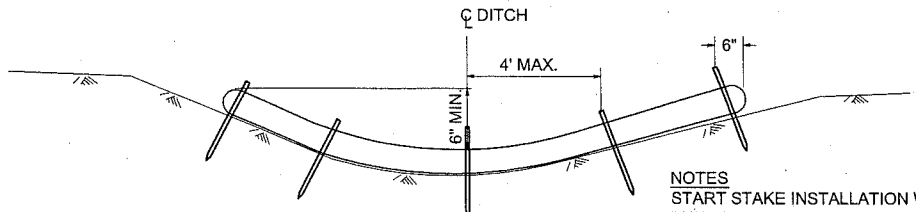
HHE-0932(48)/69402

STATE YEAR

ALASKA 2012

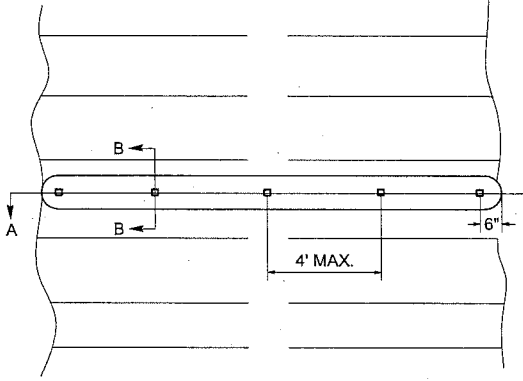
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T4 19

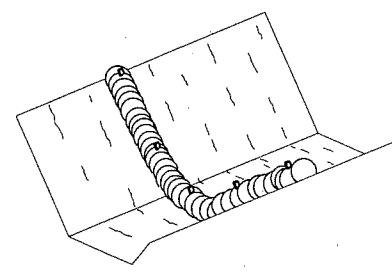


NOTES
START STAKE INSTALLATION WITH STAKE IN
THE CENTER AND STAKES 6" FROM EACH
END. EQUALLY SPACE REMAINING STAKES A
MAXIMUM OF 4' O.C.

SECTION A-A

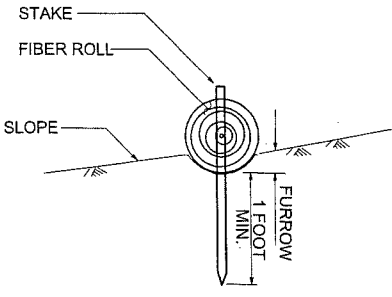


PLAN

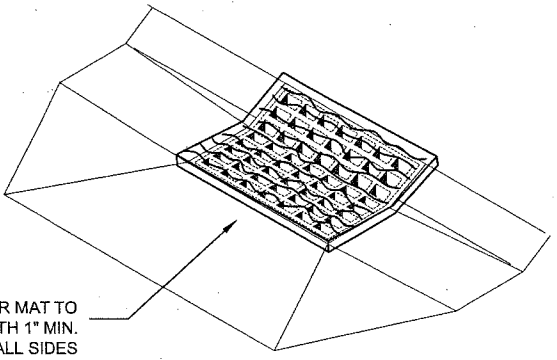


PERSPECTIVE

FIBER ROLL DETAILS



SECTION B-B



SECURE COIR MAT TO
INLET GRATE WITH 1" MIN.
OVERLAP ON ALL SIDES

INLET PROTECTION DETAILS

Project As-Built Drawings have been
reviewed by the Project Engineer and
represent to the best of my knowledge, the
project as constructed.
Proj. Eng. *[Signature]* Date *8/21/12*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

